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Journal 1987

Harting Reservation Montevery Co., Calif.

KIBBLE, DO: 1987

Hastings Vatural History Reservation, Monterey Co. Calif. Arrived at Hastings wound 1400 h. Will be becountil Feb. 2 to collect Jan 31 Salura, eartissue, and monitor P. Californiaus on Grids RCI and MC-1. Mostly clear, calm, hi in the 7045 - very nice. Ground is dans and muddy in places from rain last week. Hills are beginning to turn green, thees are beginning to briek. Set traps on 2 MC-1 first - put 38 non-folding Shermans on top 2 lows and plan on leaving them in place. Joh until 1700h to finish MC-1 because many of the traps were moldy from Dec-trip - Must remember to clean's dry wet trigos. Next il set traps on PC-1, bareally finished before dark " 1815 hrs. Set 10 haps (sherman) along Big Creek hed at easken most road crossing for P-californicus. Some high clouds Settled in at sunget. Moon in western shy </4. 07304-started on MC-1. 30min late because I had to change flat Feb. 1 the on truch. Ships clear, slight brooze, mid 30%. Lewisthiting & First 2 P. californiaus for ear tessue, but quit doing et because it took a long time for animal to secover and supping seemed to cause little agony. Note two lactatus females and escape voite. Didn't finish MC-1 until 1030hrs. Caught and kept 3 P. calibornicus on 10-trap line at Big Creek & road. (Also released 1 l. toufii of 1 N. huseipes). Started on RC-1 at 1050, functied 1300h. Began cutting can fissue from straight out it, nather than it Returned to lab and relabelled all vials and covered with magic scotch tape before dropping in Nitrogen. Cypimented with spinning down Saliva, but no deposit was noted in bottom of tubes, so ill leave Samples as is (used 0.25 ml of distilled the to flush mouth.).

Aftenson mostly clear (some high clouds), warm 70's 3, and colin. Began resetting traps on MC-1@ 1500hrs.

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moining.

Hastings Reservation, Monterey Co., Calif. descarched for the nest of # 484 (4 lactating), at station 9,10- I dug Feb 1 (cont) around alot at where she escaped, but it must have been a temporary refuge site- no nost was found. Put a nest box in the space il had degout, buried under rochs, soil, & liter. Tried the same with # 1003, at station 10,14-Same results. Put another nest box there beneath shrubs. Finished resetting traps on MC-1 at the his, and went to PC-1. Submerged a nest boy above (2m away) station 6,11. Finished resetting traps 1800hrs. On the way home I set 5 Shermans along Big treek at second road crossing (Samo location as last night) 2100hrs-outon MC-1 w/ P. Kelley - It's partly Cloudy, Calm, Kenys ~ 50's. Dusted to 843 my Green of she left a beautiful trail to the Wee, but didn't circle around to her nest area. I checked on her later (50 min), but she still hadn't circled around back to here mest. Finished Checking traps at 2300h. Feb. Z Olo45hrs - Ut's overcast, Calm, upper 40's Mis morning. M. Stanbach is helping me this morning- Fineshed MC-1 around 0830 hry Cauget 1 sory, Neotona, P. Confii, and P. maniculates in traps along Big Creek, all released untagged. Jurished Cheding RC-1 by 10thlus. Tetund to lab & loaded up. Left for Berkeley by 1100hrs Tilden Regional Park [Tilden Nature Center], Contra Costa Co., Calif. At Filder for 107 held trip to watch Brown Towers. Found a dead Scapanus latianus in grass tield, surrounded by mixed out woodland. Found one role in skin in left thouse with left shoulder remoragied. Kained hearry the night before, and cloudy, rain-off son that

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Hastings Natural History Reservation, Montery Co., Calif Arrived at Hastings today around 1300 hrs. Will be here until the 29th to trap grids PC-1 and MC-1, and to hopefully locate nests. It's clear, calin, mid-70's today. The hills are mostly green, the buckey's & snowleng have greened up, and a few flowers are blowing. The crock through MC-1 is dry. Set traps on MC-1 from 1400 to 1600h. There was no visible lecomy sous activity in the two nest boxes of Set out in Feb. Il should relocate those this circhend. Set traps on RC-1 from 1410-to 15 Again, no activity in the single Mest box on this gird. 2200hs- Cheching traps on MC-1. Its clear, calm, and cool (- dow 50,5). There is no moon. Finished checking traps at 23304. Note number of new Y. californicis, presunably born ongil, and lack of Y-Goylii The sun uses around 0630, but it is light by 0540. Started theching traps March 27 hi: 72 100:35 an RC-1 at 0630. Let's clear, calm, and cool Lupper 30's). There way frost on the truck wendshield. Furshed checking traps at 0815 on 121-1. Note that Zaminals were dusted. Finished checking traps on MC-164 100hrs. Note that 3 animals were dusted. It warmed up quickly this morning with a slight breeze (5-10mph) and clear shies. Returned to Cabin to catch up on school work. 1400h - boch on RCT. Set 2 trap transects extending east (Trapline A) and west (Trapline B) from grid along Dobertson Creek. Each rigoline consists of 10 stations (1-10), 2 traps per, 15-20m between stations. Traps bouted with "Cob" mixture from P. Kelley. Finished reseting traps on gred at 1550/2. Set traplines out from MC-1 in the same fashion as on RC-1. Tenished resetting MC-1 at 1800hrs Caught # 1024, P. californieus at station 9,10. Neleased it

in good shape.

	Hastings Resourtion, Monterry Co., Calif.						
March 27 (cont)	Z125h- Out checking traps on MC-1. It's clear, slight breeze (-5mph), and cool (upper 40's)						
	21404-Redusted # 1022 W/Rod Il followed it to it's escape seto 17m						
	due west of station. Site consists of sochs (21 zin chameter) lodged into						
	base of buckey. Entrance closely marked with powder, and litered						
	with acom shells and bucheyes. zzon-Dusted # 796, 4-lackating, with						
	Green. Followed her trail up to a hole beneath a moss-covered roch (1/2' diameter).						
	il wouled it with a strap from my havier chief. It's -4m south of 10,10.						
	2230-followed # 1934 green trail to old Newtorna medden. Bur about station 9,12.						
	Marked it with strip of barbarchief. 2259h- Redusted 1934 at 8,13. Sported Great-Housed Cruf in live-oak above 8,14-large, orangish eye-shine.						
	I attempted to chase it off by throwing several rocks at it, but						
	it didn't seem very alarmed. Finished checking traps at 2328hrs						
	2340hr-on RC-1 checking traps.						
March 28	Finished checking traps on EC-1 at 0100h.						
Hi: 72 10: 34	0630h-checking traps on RC-1. It's clear, calm, kenyo low 404.						
	Trapline Bresults:						
st. (N) 2	No. Spp. Wt. Sex. Age Brolg. 759 5. howbidge 7 & M lackating Trap Montality						
3 0	2120 P. boylei 25 0 M Scrotz						
(N) 5 (030 R. megalotis & 57 M TND						
5 (835 P. californieus 45 q. M. parous.						
6	0120 P. Maniculatus 19 00 M TND						
b	1020 P. californicus 35 0 M TWO (but close)						
(N) 7	1048 N. fuscipes & M paious						
(w) 8 a	2200 P. boylei 28 00 M TWO (close)						
(N) 8	1051 P. californians 45 9 M lactating						
N 9	020 R. megalotis 10 0 M Socotal						
(D) 9	760 S. troubudgi 87 M						
(4) 10	052 P. californicus 38.5 02 M scrotal						

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1,1 ex		Hastin	3 Reservation	on, M	lonteres	Lo.	Calif.	
	March 28 Cont		Posults Traplin					
	St.		Spp. W		Sey	Age	Thony	
	1	0430(?)	P. boylii 23		577	m	סטדר	
	(N) 1	1054	N. Fascipes		277	m	Scrotal	
	(N) 2	0130	P. moniculatus	17	9	M	parous	
	(N) Z	1055	N. fuscipes		7	M	parous	
	(N) 4	0190	M. californias	42	7	M	imp, parous	
	5	1001	P.californicus	42	4	M	perf	
	N 6	02310	P. boylii	Z 3	9	M	parou	
	(N) 6	0230	P. maniculates	20	B	M	Scrotal	
	N 7	1056	N. Guscipes		2	M	lup, bests paron	us L?)
	N: 8	1057	P. Californieus	39	9	M	parous	From previous earlag
*	Nq	02320	P. boulii	23	2	M	parous	
	9	Didn't tolg	N. Fuscipes				,	
	NO	0300	Misiotus Californica	. 57	- 0°	M	THO	
	N 10	1058	P. californiais	42	2 057	M	TNO	
		Finishe	d EC-land to	ausec	ts at	092	ohs. On t	o MC-1 and Fransects
			ine B (MC-1)					4.7 7
	(N) 10		_	23	071	M	TWD No.	tural to clip my
	(N) (1d)	02120	7	24	2	M	Parous	
	(W) 9	1059	P. cali fornicus	40	87	M	Scrotal	
	(N) 9	1060	N. Fusages		07	M	serotal	
	(N) B	02130	P-boylii	22	00	M	TO.	
	(N) B	02140	P. boylie	20	9	w	imp, nullop	•
	(N) 7	02300	P. boyles	23	رجي	p.L.	TNO	
	(N) 6	1061	P. californiaus	38	877	M	mo (close,	A
	(N) le	1062	P. Caletomicul	43	2	M	rutorate,	Reels nulliparous (?)
	N 5	1063	P. californicus	38	7	Sub-		[allgray 2 wests bands on tail
3	4	1022	P. californicus	2		M	Prom tra	aparid - see sound arid Date
	2	1038	P. cali fourious	43 27	,	M		us, tits surella but not lactating
7	2	1046	te (j	74	87	I	TNO	
	1	494	P. boylii		•			See Caricl Results



Hasting Reservation, Monderey Co., Calit March 28 (con't) Trapline A (MC-1) St. No. Spp. Say Wit. Ridg P. boylii TNO 0300 Perog califraicus nullip . M P. Californeus 46 Scrotal 1026 early 1067 P. Californiaus 37 imp, M nullip. P. Calibonian 32 1035 MScrotal early Subadult P. Californiaus 25 (N)(5) 1068 tup M TWO P. boylii (N) 10 02240 P. boylii 20 M TNO (W) 10 02310 P. boylii M 21 TND Finally, funished checking trops at 1148hs. Ot 1430 hrs il went out to MC-1 to try and locate dusted animals and relacate the Z nest boyes. First, I due up where # 796 escaped last night. I found no next sign, but did find old alon & teacher shells. This locality (under vochs) was very cool and damp, perobably too much so for a nest. I brined the nest boy under the briggest rock, and filled in the sides with smaller sochs. I also left about L'4 cup of oats in the box- Next, il dug up some of 1934's lad to a hollow in a buckeye noot which il couldn't reach in. The locality was very dry, with lots of dead grass; moss lining passageways. I put a sest box in the middle Of the midden and recovered it with sticks and moss. Finished resetting MC-1 and transcits by 1630 and moved on to 12C-1 to the reset traps. Finished 12C-1 by 1745h.

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	Hastings Reservation Monterey Co. Calif
March 28 (cont)	2100hrs - out chechny traps on MC-1. It's cool Clow 50's), clear, and mostly calm
	Conserg up to 5 mps). No moon out. Z114h- #1023(0 sonotal) covered with
	red powder-eaus, limbo, tail, feet, bach, chest. 21204-#7622075crotal)
	Covered Wigner powder. Finished checking traps at 2215 ms
March 29	0630hrs- checking traps on DC-1. It's cool (low 40's), clear, and calm this morning
hi: 73 10: 36	
54.	Nd. Spp. South Ang Sex Clay Breading
(N) /	No. Spp. Sout Ang Sex Clay Breeding 030 12. magalotis & & & M Imperforate
	1020 P. Californicus (Recap) - Covered with Red Pigment
N 3	030 Perog. Californiaus 23 67 M Scratal
N 4	040 4 11 ZB 8 M Scrotal
(N) 5	Hellotro) R. megalofis 7.5 on M TNO Trap Mortality.
5	835 P. Californians Recap
	030 R-maniculatu 18 or M TND
7	1048 N. fuscipas Mecaf
8	02200 f. mali "
• 7	1051 P. Californique " Lactorforg
N 9	0300 M. colefonicus 38 q M perforak, parons
10	- R. Megaletis escaped prior to hardling
	Trapline A results:
,	0330 P. boyli 057 M TOD
2	0300 M. Californicus Plecap. 03200 P. Logli 22 & M Imp., nulliparous 1001 P. Californicus Plecap 1015 "" " - Scrotal, subadult Pelag
N 3	US200 1. Cogli 22 pm + manifestions
5	1015 " " " Shortal substitute
NG	0300 R. maniculatus 17 g M imp, nullip.
₹	1056 N. Russiage Recor
8	- N. fusciper M Not tagget
16	1057 P. Californicus Kelap
N 10	1057 P. californicus Recap 01100 P. maniculatus 21 & M imp. parous } Same trap 0230 " " Recap
10	Funshed 10204. Moved on to MC-1-
	I VM 8MM I ON I ! WELL



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Hastings Reservation, Monterey Co., Calif. March 29(conf) Trapline B (MC-1) Results Spp with Su Age Brd P. Goylii Recap 9 1061 P. californian Retap le 02300 P. Cali Conian 5 1063 36 8 M TND(close) Cecap of M TND 3 02010 P. coliforious Recap Covered with Red Pigment Pecap P. Gorlii Trapline A (MC-1) Results: P.californicus Paraps M sanotal 3 1035 P. Californicus Recap 37 87 M Scrope (N) 5 1071 P. californicus 519 M Prequent (palpable) 10 02240 P. bouglie Recaps 222 hrs - Caught immature P. californicus at 10,6 w/ Careen Dowder on ears - Tiny animal. Not beting. White fail tip. Upon release it didn't run away but Stayed under Bay tree roots and vocalized with a high perched squach 5-20 win. Finished the chis traps by 1300hrs. Packed up and headed back to Beikeley. Arrived at Hastings at 1300 hrs (Daylight Savings Time). Will be here until June 1 the 7-June. Plan on trapping grids EC-1 and MC-1, and probably Official hi= 92 10=52 aftending these grede. It's clear, slight breeze, mid Bo's todays Set traps (Zper station) on MC-1 from 1400 to 1540 hrs. The
Bucheye leaves are brown; burned on individual leaf Stream through the grid is dry. Strab cover dense and very green Set traps (Zper station) on EC-1 from 1600 to 1700 hrs. Robertson creek is running at about the same level as always. Hew growth of blackberry & Poison oak amazing. Many former trails and trap stations obscured by new growth. I'm going to wait until the morning to chech traps, to get a feel for what is susent for possible bluorescent signent work.

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KIBBLE, D.O. 1987

Hastings Wateral History Keservation, Monterey Co., Calif. 0550 his - started the ching traps on MC-1. It's clear, calm, low toks I very June 2 comfortable). It begins getting light by 10500, but it not light enough ni=95 10= 52 to work until ~ 0540hrs. Finished MC-1 by 0640hrs - sun not over hill, yet Duly & total captures! Starled checking traps on Pe I at Olosoth. Transhed PC-1 at OBZOhne From is up, it's clear and colon. From 1030hr to 1600hrs dworked on setting up new stations on PC.1 il added to now stations as follows:

Stations as follows:

Some of these, eg. row 3, "18 4.9 "1.10 "1.11 Sico"

are experimental to so if "77 sico" there are any californicus. = 6.9 Reset traps on RC-1 from 1610 to 17 20 hrs. Found # 1078 dead (Cat # 7-64) at station 5,17 apparently it entered the trays troung the morning. Worst MI I from It so to Haran It was clear and warn today (high in upper 80's) 2310 hrs-outon Grid PC-1 checking traps. It's clear, calm, und to's. The moon is 2/4, in the west houzonabout 10/20/clock. 2325h-du-fed # 835 w/Red at 7,10 shoescaped to 1/w under downed two littles 2355- Turled # 1009 & w CRANGE at station 5,17. She exapped to NW under litter - Finished che ching trops at 23594 Not many animals captured, but it hound alot of activity it left Meetowa in hope with extra food to avoid rately. How twice. Many traps were closed with no animal pulass a va coon has descented the grid. Ololohn-begg checking traps on MC-1. I.t. clear, colin, mid Fol Finished MC-1 by 0710 has. 20-1: reducted # 835 in Rad id 7,10 10=40 reducted the way of DRANGE at lett. Finished checking This of BBOOking

Went into town today to pick up Kent Mybakken who will be helping, me

until temocorous

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RIBBLE, D.O 1987

Hastings Natural History Reservation, Monterey Co., Calif. June 3 (cont) Kent and I reset traps on RC-1 and MC-1 icturen 1600: 1800/2 Today semed a little cooler, but still warm 0400 hus - out on RC-1 to check trails of deested animals. Its foggy, June 4 hi= \$0 10= 45 calin, temp in 60's. The flag rolled in around 0300kers (P. Kelly). 0430 - redusted # 1000 with orang at is. 17. We follow the un circle to the NW, sho eventually headed off to the South of the station under the faller oak. Should release her in this area next time. 0450-caught # 102007 at 7,10 covered with Ed- The traps also has pigment, but It looks likes more signed than from the trap alone. He escaped the same sport as #835. 05Dhus-redusted # 835 at 6,11. She escaped to the stream bank about station 6,10 (to south). il should chick this one a tonight with the black light. Finished checking traps on RC-1 at 0630. The fog of cool night seems to have made a difference in Captures. 0640-becan on MC-1. It's still forgy, Franked checking MC-100000. The fog has cleared - il it from d # 1073 in a case in the lab for recuperation. 1300hus - found her dead in cage and prepared as specimen (# 766). She had homoraged around has H. rear lear, perhaps this was cause of death. This afternon was cooler than the previous days, temp = low 80's. Reset traps on RC-1 from 1630 to 1800hrs. Set 4 Tomahawh trops and I large carnivous live trap on the grid to see if I can catch what is setting off the traps. Keset traps on MC-1 from 1800 to 1850 hrs. The moon is overhead and about to fell June 5 0405h - out on RC-1 to check traps. It's cool (upper 60's), colon, and clear 0445 - redusted # 835 wy led at 7,10. Again, she escaped to the bank Not station 7,10 and I lost her trail. Eureka! I thun I located the Nest inside the strong of how, in the fallen oak debres. There is a small (50 mm diameter) cup shaped nest made of grass in the bottom. Ill come loade later in the day for a more thorough investigation

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RIBBLE, D.O. 1987

> Hastings Natural History Reservation, Monterey Co., Calif. June 5 (cont) I proceeded to 7,9 and found #835 sitting in a trap. She fled upon arrival - at the base of the Madrone at this station were scattering of Red Pament. This might be a second next?). There is a small sell of 15-20 sencil sized twigs assembled at the base. D550h-# 1014, station 5,14 with DRAWGE powder on cars, fail feet. Finished RC-1@ 0625hm. Finished checking MC-1 at 0745hrs. There is a light, low level of cloud cover, froming fog on hill sides. Spent the morning beling up Madrone Canyon and the first canyon off of it. Good P. colifornicus habitat Hisoughout, particularly after the fence (~.25 mi up from gred MC-1). There were a few tudiles of water up higher in the canyon, about I mile from the gird - Returned to set 2 traplines up & down canyon from FMC-1- Cach one starts 1 25 m from the gud boundary, extends up the south side, with 5 stations, 2 traps/station. il set there to see if there are any P. californicus adjacint to the grid, but not moving. Reset traps a little evilier today to make it into town for movies rught. Theset MC-1 from 1590 to 1600hrs. A fledofing Black-headed Grossbeak was found up in a buckeye. It was an awhward flyer and continuously called Reset traps on EC-1 from 1600 to 1700 hrs. Set traps at Station 9.7 mide madrow the tunk where # 835 appears to be nesting. It has been quée cool today (low 80's) due to a thin cloud cover all day - very pleasant. 2300hr-out checking traps on RC-1. elt's partially ocercast, med 70's. Moon (12) barely visible through clouds. 2330-redusted # 835 at 7,9.
> She escaped around and uphill from the madrone 0005 hrs - finished RC-1. Not many animals : not that many closed traps

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	Hastings Natural History Reservation, Monterey Co., Calif.
June le (cont)	Obooku-bach on PC-1 checking trap. Calm, low to's, few scattend thin clouds.
	Finished RC-1 by 0730hy.
	Trapline west of MC-1 - no copyland
	Trapline east of W-1: St. #5 (top of slope) -# 775 N-fuscipes
	#1 Now # 1093. P. californicus 29g, 8, Subadult, TND.
	I finished checking traps around 0430. I dusted # 1040 withounge
	to take pictures for Asin talk. Collected all traps and loaded
	them up - Disapponting results on this gird.
	I've afternoon has been warm (med 805) and windy. Fix Storm clouds
	were off to the east most of the day - 0400 hrs - walled to brid
	ARC-1 to chech out sofential trapping sites. Due 3 from the road
	to Mark and Strongs place has potential - need to check it out.
	to Mark and Strongs place has potential - need to chock it out. Reset traps on RC-1 from 1700 to 1800 hrs. Found Wi-californicus
	dead in trap at station (Cat # 767)-
June 7	0550hrs - out on RC-1 to check trops. It's cool 10w50s, Colm, with clear shees.
	Fruished checking traps at O730km. Many L- 25-35) traps closed with no
	animal. Packed up truck and headed back to Bezerheley!
July 11	Arrived at Hashings around 1400 h [Pacific Daylight-Savings Time)
	Will be here until the 23 rd of July to montor MC-1 &RC-1,
	set up a new grid, build an en closure for behavioral
	observations, and moasure distances for drift fences.
	It is clear, breezy (repto 10 mph from west), and
	warm (upper 804). Began setting traps on MC-1
	and 1630 hrs. Finished seting traps 1800 hrs. Conditions
	are very dry! It looks like September Conditions of last
	Year- the buckeyes are brown, no green under growth at all.

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RIBBLE, D.O. 1987

> Hastings Natural History Keservation, Monterey Co., Calif Started checking traps at 0550hrs thismorning. It's clear, calm, low 601s. The Come moon is come sout sometime of the 2400hr).
>
> Moon is < full, but very bright in the western sky. It begins to get light July 12 around 0515, but not until 0545 às it light enough to work. Finished checking traps at 0712 hrs. Rosults similar (poored) to capture results in June. Summary of captures = P.californicus - 1 capture P. boylin - le captures (Inew) P. truei - 2 Captures
>
> N. buscipes - / capture (new animal)
>
> Perognathus C. - 4 Captures (2 new) - 14 total Captures (4 new onemals) Observed 5 griseus at 5,14. It truggered one of the traps and was lating excess bait around the trap. Approached to within 10m-I layed out traps east of MC-1 to set later in the day. (Trapline A-1, starts zom east of grid, ~15-20 m between stations, 2 traps per, Madrone Clast 2 stations across fence off of Hasting) - Traps # 161-180-Trapline A-Z), starts x 300 m east of Me-1 along creek-bod, ~15-20 m between stations, 2 traps per, trap#3 281-300, ends at Hastings boundary kence. deservation. The boxes were here, apparently from MVZ. They will suffice for initial work (more on measurements of box, later) Today was clear, breezy, and warm (upper 80's). 1730hrs-sot por animals to use in behavioral work. 1800hrs-began regetting traps on MC-1, and trangets A-1; A-Z. Furshed by \$ 1710 hrs

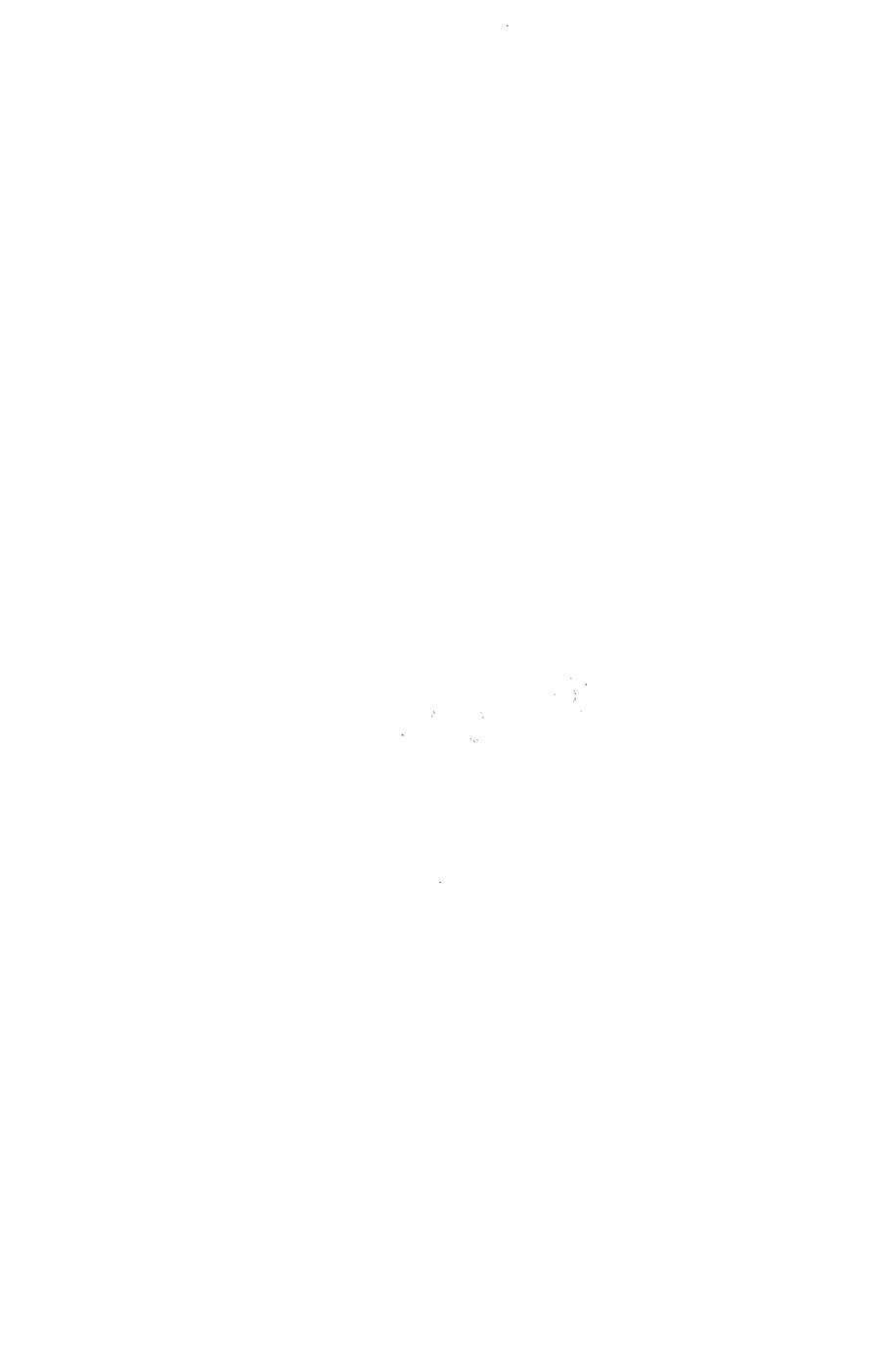
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	Hastings Natural Wistory Reservation, Monterey Co., Calif.
July 13	
	Transact A-1 results:
	163 040 Peregnathus. C. 9, IMP, Mullip, ZOg.
N	164 02310 P. boylii Q, parons, imp, 23g.
N	105 0110 Perognathus 87, carly materia, 20g.
N	168 0220 Z. megalotis 07, scrokal, 7g.
	170 0120 Puognathus 87, scrotal, 25g.
	173 0130 11 11, TND, early mateur, 190g.
N	174 0140 11 9, IMP., nullip, 19g.
N	129 02320 P. boutii 07, Moldon, 24g.
*N	180 1096 P. Cdifornicus, 87, Matur, TND-39g
	Transect A-2 results:
N	Z87 0210 Perognathus P. Panous, prognant, 30g
N	298 0220 " B, mature, Berotal, 30g.
N	290 0230 " 7, sub, nulliparous, 17g
N	289 040 " " " " " " " " " " " " " " " " " "
W	292 D310 " B" " TND, 199
* N	291 1097 P. Calibounicus, or, matrue, TND, 40g- Escaped up N side of slope top
KN	295 1098 " " " 40g. While tail tip-
	No P. californicus Caucht at second crossing on Big Creek.
	Finished checking traps at 0900hrs.
	Summary of results on MC:1: P. calibornicus: 2 captures
	P. boylii : 5 Captures
	Perguathus: 2 captures
	Neotoma: 2 13 Captures

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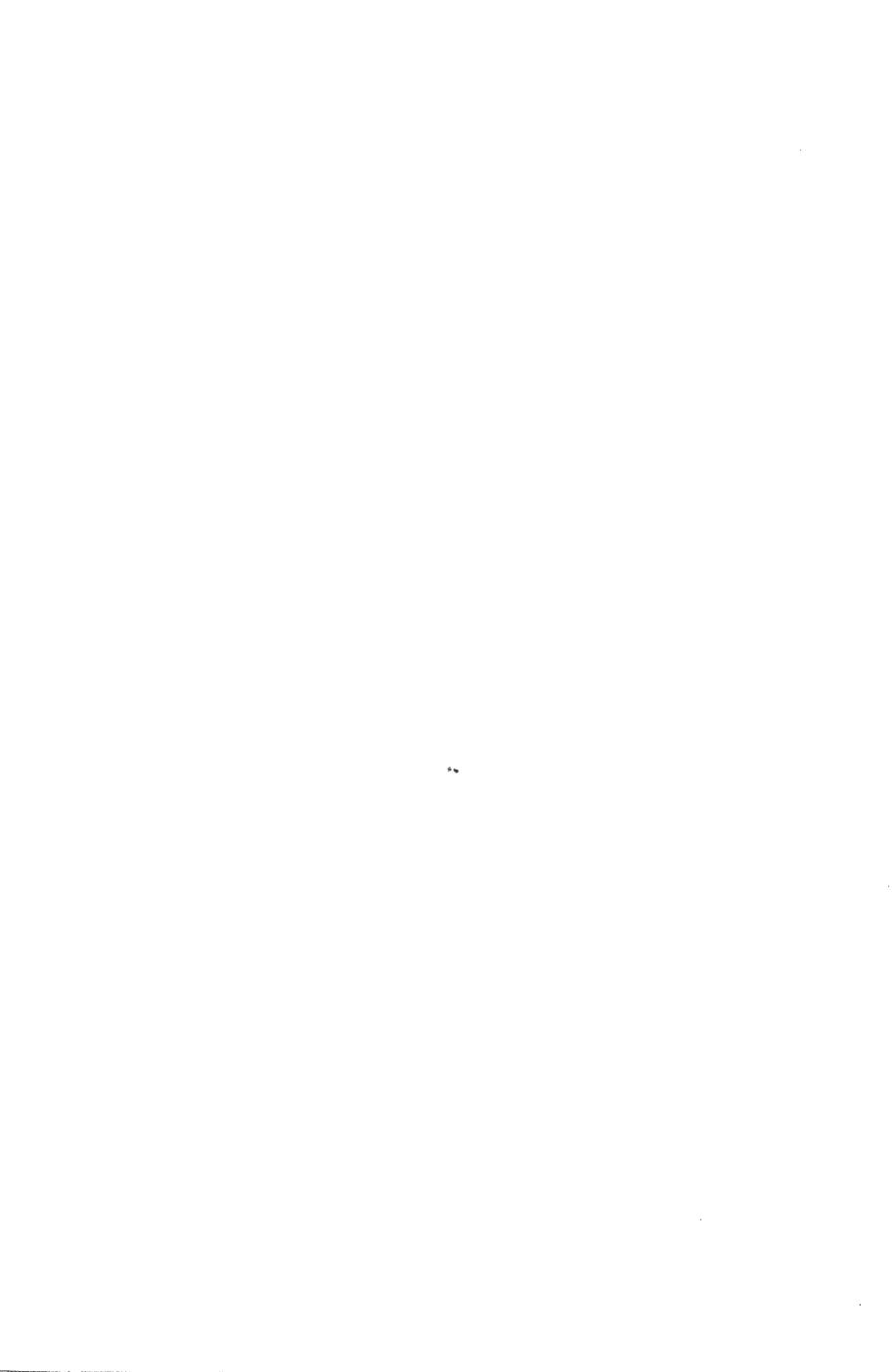
Historias Natural History Vesewation, Monteux Co., Calif. This morning it set up the behavior box at the old homestead next to Mark & shorting place. The box is as follows. -Hexiglass front-542" high remarable durder w/ 4" mesh window at top (414"x1518") 3×3×6" box w/no ends inside each side: E - 4/2x5x542 box who ends. - Floor covered with layer mount ledwider Of litter (grass, leaves, soil) The box is elevated 16" off porch level for observation purposes. The box is made of 3/8" plywood, except for plexicals shout and Z "4" mesh hardwar cloth sciens at top [131/2" x 704/2") The parch is at least 10-15 of cooler than out in the sun I spent most of the afternoon picking up non-folding shermans From P. Kelly's marker Neotoma middens. Picked up total of 89. 1700 hrs - reset traps at End crossing and set 10 more at the 1st crossing. 1750-began resetting traps on MC-1, traplines A-1 5 A-2. Set (Transect A-3). Starts = 100m from fork in Madrons Canyon & runs along NE facing slope. Set 2 traps/station, 10-15 m spacing, trap# 321-340. This is actually off Hastings proporty on the Trega (?) ranch. Finished by 1930 his July 14 0015hrs - on mc-1 checking traps. Weather conditions same as previous days. Moon is mon 43/4 full.



	Hastings Natural History Reservation, Monterey Co., Colif.
July 14 (cont)	Transect A-1 Results:
N	161 02330 P. boylii ot imm., TND, 12g.
	163 775 N. fuscipes
	166 0110 Perognathus or BECAP.
N	172 02300 P. boylii of RECAP (from grid) 171 02340 P. boylii of matrix scrotal 2450
70	171 02340 P. boylii or mature, scrotal, 24.59 177 02320 " " OR RECAD
	180 1096 P. californicus RECAP. Escaped to Stream bank
	Transect A-2 Results
	287 DZZO Peroquethus RELAD
N	288 02400 P. boutii 07, mateur, TND, 23g
	289 0240 Perognation RECAP 292 1097 P. californius RECAP
N	298 0320 Perograture or mature, TND, 25g.
	Transect A-3 (note, I will only mark P. calibornicus)
N	324 1100 P. Californicus 0?, mafure, TND, 4/g.
	335 - " "
N	357 1901 P. californious, quature, imp, parous, 40g. 340 - P. boylii
	0840-Caught at St#3@ 1st crossing (light for behavioral work)
N	# 1902 P. californicus, or, M, TND (but close), 43g.
	Summary of Results on MC-1: P-Californicus: Z captures
	P. boylii : 3 captures
	P. truei : 4 captures, 2 new immotive
	Perognathus: 4 cap times
	N. Fuscipes: 2 captures, l'new
	Torse: 15 captures
	Spent the rest of the morning sorbing non-folding thermans
	in the bain. In the afternoon, went to Arroyo Seca bor a swim
	Post all traps from 1800 to zooolus. Joday seemed hoter
	(mid 90%) than the pieirous days, and there was very
	little breeze.



Hastings Natural History Reservation, Monterey Co. Calif. July 15 Db15h-out on MC-1 checking traps. Weather same as previous. Moon just > half full. Transect A-1 Results: 775 N. Fuscipes . PECAP 0110 Peroquathus 02310 P. Boylii 02340 P. boylii 172 02300 173 0140 Perognathus 180 02320 P. bouti I ranged A-2 Regults: 284 02410 P. boylii P. mature, imp, nullip (?), 200 02420 "11 8, maturo, serotal, 20.5 g. 0220 Pergnathus BECAP Ecalifornicus RECAP 1097 1098 1900 To dall formicus, quotuse, impy met lip, 39.592 TRANSCI J-3 Results. 190 P.californicus P. mature, imp., nullip., 39.5g. LEPT FORRelavior TRING N. Fuscipes 324 P. bonglii N. Fusupes 337 P. califoriaus of mateur, TND, 379 338 1904 P. boylii 340 Traps at Zud Crossing 1905. P. californicus 87, majure, TND, 39g. Kept for Behaventrials Summary of Results on MC-1: P. Californicus - 2 captures P. boylin - 3 captures P. truei - 7 captures (Inew immatine) N. Auscipes - Z captures Personathus - 1 Capture 15 total coptures 1018 his I took the P-californieus, our to mark & Shortys. I placed # 1902 in the right half. Placed # 1903 & in the left half, after choping a ~ 15x5mm patch of few from her left i right sides just anteren to her togs. Put # 1905 in plastic holding coop



	Wind A Din Mark
	Hastings Natural Lestony Essens from Monterey Co., Calif.
July 15 (con't)	after about I min, # 1902 jumped up to the screen separating, the Zhalies
	and explored around for Zinin then retreated to the small wooden
	box. # 1903 (2) stayed huddled in the corner under the 1/20 botto.
	Provided both sides w/ 1/2 tuna can of "COB" (com, onto, bailey.
	from P. Kelly) and 45 1/4 shoets newspaper. In the afternoon of traps at
as	doest the non-folding Shermans on MC-1 (6262) and on
	T2C-1 (86). 16 extrataps are at MC-1 for use on new stations. Began
	to expand MC-1, only added stations 7, 15 7, 16; 8,15. Reset all
	traps from 1745 to 1945 hrs. 2000 hrs - observing animals in captivity.
	Il teems of the red light on is watched for Duins - neither animal moved.
	Removed the boves from 1902000 enclosure, and he reamed around some but stayed principally on the feed can. He seemed to avoid the 1. Her? Watched him for 15 min. Tried to arouse the \$1903) but she stood still in the corner. Left by 2045h. The night is moraless, clear, calin.
	stell in the corner. Left by 2045h. The night is montess, clear, calm.
July 16	Olei5h- on MC-1 checking traps. It is a bit cooler this morning (mid 50's)
`	than previous; clear slies and calm.
	Transact 1-1 Rosults.
	16 DZ310 P.baylii RECAP
	162 040 Perguathus "
	162 040 Perognathus " 166 0110 11 11
	170 02300 P. baylii RECAP
	172 02340 " " "
	174 02320 " " "
	173 0140 Perognathus 11 177 1096 P.californicus "
	TRANSECT A-2-Results:
W	282 1907 N. huseipes of mateur, tall
N	284 02430 P. boylii q. moley, mp, parous, 20g.
N	282 1907 N. huseipes of, mateur, tall) 284 02430 P. torylii q. mateur, mp, parous, 20g. 286 0330 Perognathus Q, ", ", ", zlg.
	287 0220 Prograthy RECAD
	299 0240 11
N	292 0310 11 11 294 0230 R. megalotis of Mateur, TND. 8.5g.
10	298 0320 Perognothus RECAP
	297 1097 P. californicus "1

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	Hastings Natural History Reservation, Monterey Co., Calif.
July Holony	Transect A-3 Results:
N	322 1908 P. Californicus 87, mature, TND. 39g.
	324 1180 " " RECAP
	325 - N. huscipes 335 - P. boylii
	339 1904. P. californicus PECAP.
	Summary of results on MC-1: P-californious 2 captures (Inew)
	P. boylii : 2 captures
	P. truei : la Captares
	N-fuscipes: 1 Capture
	Perognathus: 3 captures
	Total 14 captures (I new)
	Marcos Salvioni arrived this afternoon to help for a week.
	duthe affermoon we began by adding 16 stations to MC-1 (east)
	as follows: 10,18 10,17 10,16 10,15 \ 10,15 \ 10,14 \ 9" 9" 9" 19,14 Cytsting gud
	9" 9" 9" 9" 9,14 Cytsting gud
	3" B" B" B" B" B" Steam 7" 7" 7" 7" 7" 17" stream
	Below this area (here) is dry grassland, i le, 1914
	but there is suitable habitat above 15,4914
	(to the south) of now 10.
	We measured the distance necessary for a dight fence. To
	the east it is led in from the north side of the creek to just
	past the fence of Has tings border. 80-90m of dight fence
	material should suffice. This bother fence would be toom
	from the edge of the grid (colum 10,18 - 7,18). These marines
	were done with a meter tape of are some what (±5m) accurate.
	The west side drift fences should be 60m long 180m of material
	would be plenty), and it is 72m from the west side of
	the grid. We reset all paps from 1800 to 1930 hrs. Is day was, much cooler (low 80's) them previous days, parey to west- un PM, we conducted behavioral trials- See P. californicus spr. acct.
	much cooler (low 80's) than previous day, hazey to west.
	un PM, we conducted behavioral treals- Sed P. californicus spp. acct.

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	Hostings Watural History Reservation, Monkerey Co., Colif.
July17	The fog/low clouds moved in over the night and it is guite
	Cool Clow 50's) this morning - Skies are over cast. Began checking traps Old Sho.
	Transect A1 - Results
	162 02310 P. boyli; RELAD
7	161 02330 P. boylii " 164 0775 N. fusupes NELAP
A./	166 02310 P. Doylii 11
<i></i> ₩	173 02340 11 8 mat / scratal / 24gr
	Transect A-2 Results
N	282 \$1910 N. Juscipes q paraus imp mature
	286 0330 Revopuation 12400
N	288 02400 P. Doylii q mature, perforate, parons 23 gr
	29/ 0310 " " " " " " " " " " " " " " " " " " "
	325 - Newtoma fuscipes B
	330 1100 P. colippinions RELAT
	329 1708 11 9
	335 1704 11 4 339 - P. boyli;
	Summary of Results on MC-1: P. Californicus: Z captures
	P. boylii : 2 captures P. truei : 8 captures (Inew)
	N. Fuscipes = 3 captures (Inew)
	Perognathus 3 captures
	all traps were picked up as we checked traps. It is still mostly
	cloudy with some clear patches (0900h). We went into fown this
	mouning for unse supplies. 1400hrs - Marco & il lugan use thing
	traps on the RC-1. We only had to use 10 folding Shermans
	at the 5 stations on south slope. Next, we set out
	transect RC-2) on the south side of Robertson Creek
	due 5. from the road to Mark & Shorting - I sof traps to the
	provide the second of the seco

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	Hastings Reservation, Monterey Co., Colif.					
July 17/con	east (2 traps/station; #5 281-230), and Marcos Set his					
	trapline to the west (2traps/station, # 221-240). We finished					
	this by 1545, at which time it started to sprinkle rain lightly					
	(hemp: mid (00's).					
	2115-out on ZC-1 checking traps. It's overcast, mid 50's,					
	with a slight drizzle occasionally - We finished checking traps					
	by 215th Only 3 animals, not much activity this early! At					
	Station 5,12, a Stellars by was found dead with it's head					
	stuck in trap door . I returned it to the lab freger.					
July 18	0625h - Chocking traps on PC-1. It's God (upper 504), overcast but quickly					
	burning off, and calm.					
	TRANSECT RCZ					
N	299/010/1? poylii 22 gr q motore lactantique, tail cut 300 020 P. poylii 26 gr & motore, scrotol					
	299 - Neutoma 287 - "					
	283 1913 P. colifornium 41 gr 3 moture FND					
	281 010 Perognotton 23 gr & makin TND					
	323 - Neotoma					
	324 030 P. poylii 25 gr. 3 moture, scritol					
	326 040 " 18 gr & sad TND					
	327 - Perognothum - 8 motore TND release torpid, didn't make					
Ň	329 010 M. colifornion 36 gr &, makire TND					
	Summary of Captures on PC-1: P. californicus = 5 Captures (Inew)					
	P. boylii : 4 captures (/ new)					
	N. Luscipes - 3 captures					
	E. megalotis: 1 capture					
	Perognathus: 2 captures (new)					
	5. trowbridgei / capture (Mortality)					
	Total. He captures					
	/ direction of the same of the					
	We finished by 0845 hr. It's clear, calm, and warming up.					
	we mished by ord M. It's clear, culm, kill working up.					

	Hastings Natural Hestory Reservation, Monteren Co. Calif.
July 18 (cont)	Hastings Natural History Reservation, Monterey Co., Calif. We closed al! traps as we checked Hiem. Spent Hill Thus at Pt. Lobos
	Reset all traps between 1830 and 1930 hrs. Today was clear, carlon, low 80's
	2235hrs-out checking traps on PC-1. It's clear, no moon, calm, mid 70's
	Fruithed checking RC-1 at 2-330hrs
July 19	Obzohrs - en 126-1 checking traps. It's clear, colu, cool (low 50's) - Moon 24 full
	TRANSECT R-2 RESULTS:
N	300 - Nentama -
249	298 020 Perognother 25 gr. 8 moture TND
	287 - Wentoma
	1285
N	286 030 Personothus 29pr. 8 moture TND 282 010 11 Trop mortdity [Cat No. 773]
	322 - Nentoma -
	324 = 11
	326 - " 1" 1:
	325 040 ? boylli
N	328 0/10 11 19 g & sad, imp. unlli
N	327 0120 " 24 9 mature, imp parous
	332 - Neutome
	337 - II 11
	339 _ 4
	Finished checking all traps by 0830hrs.
	Summary of Results on PC-1: P. Californicies: 9 captures (Znew)
	P-boylii : 5 captures
	N. Fuscipes : 5 Captures
	R. megalotis 2 Captures (2000)
	Perognathus 2 "
	P. maniculatus: 1 capture
	5. trombildgei : 1 Capture (mortality)
	Total: 25 captures
	Today was pleasant (low bos) with scattered clouds - spent
	most of the afternoon preparing specimens. Reset all traps
	Most of the afternoon preparing specimens. Reset all traps from 1900 to 1945 hrs. Marco flushed 4 Sus scropa at the Rote water north of transect RC-Z
	Roto water north of hansect RC-Z

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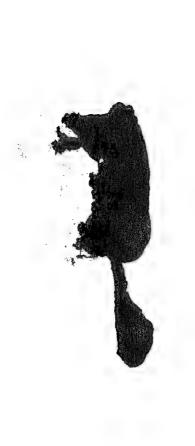
	Hastings Natural History Reservation, Monterey Co., Calif.
July 19/mit)	2250hrs-out checking traps on Pc-1. Clear, no moon, cool (low D's)
our qui (((out)	Finished checking traps by 2350 hrs. We could here more activity
	of reducts the previous
1.1.20	
July 20	Dorohrs- checking traps on PC-1. Scattered high clouds, cool (low 58's), and calm
	TEMUSECT Z-2 Tesults 300 - N. Auscipes
N.	299 mol30 P. boylii or matrus, TND. 2log. 297 020 Perognathus RECAP
	287 - M. fuscipes 286 - " "
N	283 030 Perognathus 284 1918 P. californicus & Pregnant 52g.
N	321 - N. fuscinas
	322 1913 Pealifornicus RECAP. 326 - N. Fuscipas
	325 040 P.baylii RECAP. 18g
	328 0120 11 11 331 - N. fuscipes
N	335 0200 P. baylin 07, mature, TND. 18g
	338 - " 11 340 - " 11
	We piched up all of these traps today.
	We saw a L. rabus in the green grass, sun of Robertson Creek, N. of transort
	PC-2. It ran off to the West. Marcos S. left for Berheley Heis am.
	Summary of Results on RPC-1: P. Californiaus: 9 Captures (Inew) P. toylii : 8 captures (3 new)
	M. fuscipes: 4 captures
	Peroxuethus: 3 captures (linew)
	P. maniculatus: 1 " S. troobiedgei " (mortality)
	Total = 26 captures
	Today was mostly clear, slight breez (up to 10mph), and cool 1080's)
	Set traps on PC-1 from 1730 to 1800 hrs. From 1800 to 1830 d set
	traps on Transect III on Robertson Creek just above confluence
	with Finch Cook & same to cation and name as area trapped in June-July 86).
	Set 20 taps (#281-300), Ztraps/station, 10-20 in between stations.



	Hastings Natural History Reservation, Monterey Co., Calif.
	2300 hus-out on PC-1 checking fraps. It's overcast, calm, low 60's.
	0000 urs-finished checking traps on Tec-1. Skies are clear, now- Alot
	many captures this occassion. 10-15 traps closed with no animal.
	Spotted 2 N. fuscipes on their? house at station 8,13; couldn't see if
	they were tacged.
	OtiOn-back on ICI to check traps It's clear, colin, cool (mid 50s)
	The moon (<44 full) is rising in the ear stern sky, at 10 o'clock in sky.
	0570h- redusted # 835 q wy GREEN @ 7,9. The ascaped to the east ;
	desappeared under the fallen tree by station 7,10. I think I saw a new
	green trail by station le, 11 that went across the stream. I did find
	some green powder on the south-side of the stream by station 6,10.
	Truished checking traps at 0535hrs. It begins to get light
	at 0515, 50 this was close fining for the darliness. Afew
	low clouds have moved in since it started getting light.
	RESULTS FROM TRANSECT VIII:
1444	2BZ - N. Luscipes
N	293 - " 791 1921 P. californicus & carly mature, imp., nullip. 36g. 292 1922 4 " 77, subadult, TND. 30g. (Watched it cross
N	292 1922 4 " or, subadult, TND. 30g. (Watched it cross
N	296 OIO P. boylii q, lactating, perforate. Zing. 298 — N. Auscipes
J	297 - Perconathus Slightly forpid, released un tagged. O, materie.
	299 020 P.boylii 07, mature, scrotal. 25g. 300 030 11 11 q, mp., parous. 29g.
	Summany of CAPTURE RESULTS ON RC-1 (Morning): P. californicus 7 captures (Znew)
	E. boylii Q
	N. fuscipes " P. maniculatus 1 "
	Peroquathus 5
	TOTAL 20 captures
	Misafternoon it was cool (10 80's), breezy, and Dartly cloudy Large
	Cumulus clouds moved in from the west, but cleared around 1800hrs.



	Hastings Natural History Reservation, Monterey Co., Calif.						
July 21(cont)	Roset traps on PC-1 from 1730 to 1815 lins. Set out an additional						
	6 National traps at various places for N. Fuscipes. Mistalienty left						
	traps open at 4,10 and caught # 1084. Released him in good shape.						
	Finished resitting Transact III by 1840hrs.						
July 22							
	No moon yet- Furshed checking traps on TCT at 0400.						
	TRANSECT III RESULTS						
	287 - N. fuscipes 284 - " "						
	287 - N. Fascipes						
	2011 1921 P. Californiaus RECAP						
28 N	294 1925 " " BP, Sub, TND. 28g. White tail typ						
	296 020 11 11 11						
N	298 - V. Ruscipes 297 OHD P. boylii 87, matur, scrofal. 260g.						
	300 030 P. Coylii RECAP						
	Finished checking Transact at 0435 hrs. It feels cooler than when						
	I started. While I was checking traps the Carmel Sheriff stepped and						
	I had to justify him il worst pociching. I saw a 5-bachmani						
	Measfation 5,13 - this might lee closing some traps.						
	Summary of Results DW PRC-1: P. californicus: 11 Captures (Onew) P. 604/11 : 9 Captures (1 new)						
	P. boylii : 9 captures (1 new) , Juscipes : 10 11 (2 new)						
	Peregnathus: 4 "						
	2 maniculatus: 1 capture 5. trowbridgei: 3 captures ((new, 2 de ad))						
	TOTAL: 38 Captures.						
	1200 hrs - set 2 gepher live-traps in Pearson field by the Creek crossings.						
	I'm attempting to collect a gople for B. Rainey. This afternoon was						
	Mostly clean, (nelpy (up to 15 mph), and warm (lo BOCs). Cloaned						
	Mostly clean, (nelyg (yo to 15 mph), and warm (lo \$500). Cleaned Out over behavioral arena this afternoon and relaxed						



	Hastings Wateral History Reservation, Monterey Co., Calif.					
July 22(cont)	them and the creek Crossing (see spp. acct). Reset all frages					
	from 1730 to 1845 list of checked the gopher how-frages					
	at 2/30h; both were spring but only the one at the					
	for west end of the field had an animal. Returned it					
	to the late & prepared it (tisus to 3. Painey)					
July 23	Olezohre-chechung traps on PCI, It's dear, Calen, and cool (10 80's)					
	Transact VIII Results: 300 - N. Auscipes					
	298 040 P.baylii RECAP 297 020 " " "					
	291, 010 11 11					
	294 1925 P. californiaes Ecop. 293 - N. Ruscipes - TRAP MORTALITY (at # 780)					
	292 1921 P. californicus PECAP 291 1922 " " "					
	291 1922 " " " 11					
	282 - N. fuscises					
	290 - M. californicus -new animal, deduit mark. 292 - N. fuscipes 281 - P. boylii, or, mateur, scrotal, (new deduit mark)					
	Summary of Capture Results on MC-1: P. californicus 10 (Inew) P. boylii 11 captures (Znew)					
	M-fuscipes 7 captures (Inew)					
	Peroquatility 2 11					
	P. maniculative Z " S. troubridge I " (montality) D. virainana I "					
	D. virginiana / 11					
	TOTAL 34 Captures.					
	I kept the Didelphis and Glowformed it back at the lab (No					
	catalogue #, since I'll give it to Dr. Scott Dye Prepared to					
	2 montalities as full skeletous. Packed up, and headed					
	back to Bezorheley by 1230hrs.					



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RIBBLE, D.O.

Hastings Wateral History Keservation, Monterey Co., Calif. Aug 5. Arrived at Hastings around 1900lers and immediately vegan Etting traps on IC-1. It's clear, calin, and warm (80%). Found 2 dead P. calibourious (#1911 s' 1919 - Cat # +82 in traps at 2 deflerent stations. I don't think they were left intraps, or that the traps were left open. I think they boiced their way into the traps. Whatever, it should leave the traps open at the closed end or apart when du not tropping. We finished setting traps by zoobers (M. Salvioni showed up 15 min after il started setting traps) 2300 us - out checking traps on PC-1. At's clear, warm (705). Hu moders I'z full and in the southern houson, (not visible from tand) 2345 his - Caught # 835, Q, lactating, and Marcos pert. a radio-collar on her. Dusted the collar with gillen pousder. Furshed Chechus traps by 0015 hrs OlelD- clear, calm, 60's. Backing checking traps on PC-1. It's just light enough to see. Summary of Results Mis AM: P. californicus: 4 captures P. boylii N. Fuscipes Perognathus 5. troubudgei : We radio-tracked & #835 and found hermest at the base of the Madrone at station 9, 7! See species acct. From 1500 to 1830/ns, Marco i il set out 14 new stations on Grid PC-1 (stations 9,18-4,18; 4,18-4-12; 6,8, 5,8). We had to do alot of trail cutting, so things were dav- Joday was warm (upper 80's), clear, with as light breeze. We reset traps from 1830 to 1915 hrs - all stations set

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	Hastings Wateral History Reservation, Monkey Co., Calif.						
Aug le Conit	1 2230lus - Checking traps on PC-1. Clear, calm, to 2015.						
Aug 7	We finished checking traps at DOZOhis. #835 & remained						
<i>-</i>	on her nest i there was very little activity. We took our time						
	and even stopped for & 30 min hoping the activity would						
	pich-up, but nothing improved.						
	0605- cheching traps on RC-1. Clear, calm, high 60's, fog in lower valleys						
	0712- radio-coloued# 1928 Q at station 7,15. Dusted willan with red She escaped N. NE of the station. We finished cheding traps by 0740hrs						
	· ·						
	Summary of Capture Results: P. californicies & captures: lucus P. boylii : 10 " Heotoma fuscipes: 2 "						
	Perognotlus : 7 " (2new)						
	5-trombudgei : 1 11 28 total captures.						
*	1238hus - Marco radio-tracked # 1928 to a willow *3 m southwest						
	of station 5,14. When we poled around at the willow she escaped						
	up through the hollow part of the trunk and stopped 1 \$ 3 m						
	up in the willow. The willow's 14.5 m high, ~ 150 mm dbh.						
	She seemed to have no problem denting the tree with the radio-collar.						
	After 5 min, we backed off and she went back down. I						
	flagged the tree with a marker. We also spent over an hour						
	tuying to get to #835 (see spp-acet.)						
	Marco s il spent the afternoon hashing out some details for the drift Lence on approvided testations to the grid (11,15 - 11,18).						
	Today was clear & cooler (10805). Marco left for Bertuley						
	2340les - out chocking traps on PC-1. At's cool (low 70's), calm,						
	moon is > 3/4 kull (budit:)						
Aug 8	0030lus - removed radio-colla from 1928 and dusted her RED Powder Finished checking traps by 0055 hrs.						
	Finished checking traps by 0055 hrs.						

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Hostings Reservation, Monterey Co., Calif. Ole 18 hrs - checking traps on PC-1. It's foggy, calm, and cool Llow 70's) Aug B (coif) Dedut catch#835 ma trap this morning, but I did get her radio signal in the same madrone. Finished checking traps of 0740 has. It is clear with scattered fog lower in the villey. Summary of Lastin results (am): P. Calibornicus: Co Captures

P. Coylii : 11 Coptius

Al-fuscipes : 4 " Total: 2le capturs. I returned to thegud to try's find # 935's young, but she wasn't at the End nest or the original next. The strongest radio-signal Come from the Znd nest hole, so perhaps she is still further up when she escaped jesterday - a small Champ (1/3 cup volume) of nest makerial had been pushed out. du the afternoon il cut a transect for a drift fence east of grid RC-1. It passer by station A-5. 40m of Pencing would be minimal needed, 55 good, and 75m would cover all possible habitat. Keset all traps on PC-1 from 1730 to 1830hrs. 0215 hrs - out checking paper on PC-1. elt's cool (70's), some fog Aug 9 Coming. Moon is overhead & FULL - Redusted # 1928 9 at station 5,14 with Red Youder: Furished cheding traps by 0350 lus. The fog has obscured the moon, now Summary of Results for Mis morning: P. Californiaus: 7 captures (new) N. Buscipes: 2 "
Perognathus: 5 Captures Unew Total 27 captures I left 2 haps get inside the hollow at \$35 nest rite. Her radiosignal was still coming from the Znd Mest area ill when

in daylight to check these.



1987

Hastings Reservation, Montery Co., Calif. Aug 9 Returned to #835 nest at 0930hrs. Caught et 1020 87 at site. Still getting signal from 2nd nest site. I placed some rolled outs unthe End west site and they were gone this morning; 50 at least she is still alive (?). ilin concerned her collar might get shick in the right passageways elspent the afternoon at Tassajara - nice. Il reset traps from 1730 to Z300his - out checking traps on RC-1. Finished checking traps at DOIDles. Note that # 835 was cought W/out radio-collan De 50- back checking traps on RC-1. Calin, cool (10 70's), floggy. Caught of # 1420 at 6,11 with Green powder Mable on laws & glans. 0900-caught # 035 & young (3) 12.4g. 127-65-23-14 mm 8 - Eardipped eys open, lasisons erupted, moderately 12.7g 132-66-23-14 f 11-9 129 62-22-12 09 White-touttop See species account) to I packed up things and headed for Berlieley today to pick-up drift fence makinals Augil Avived back at Hastings around 13304 - M. Salvioni followed shortly, as did Eric Schneider (new grad student). We spent most of the afternoon cleaning up the Hastings Jabin- Laty left alot of food, gume, etc in the letchen 5 fing. We got all of the tooks to gether from Suzanne for the dreft fence and carried it to the gird. We 18 st traps from 1800 to 1830 hrs. It takes an additional De Holding shermans to complete the grid. The bucheyes leaves are all brown ; withered - Extremely dry!

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Hastings Natural History Reservation, Montery Co. Calif. 0700 - Enschweiden & clare checking traps while Marco begins working on the drift flence. It's cool (lot's) and third fog this morning. Summary of Results P. Californicus: 1 Capture
P. boylii : 5 "
P-truci : 5 " Perognathus: le "1
Neotoma : ? 19 captures. We spent the rest of the day working hand!) on the dreft fence. We finished the fence east of MC-1; it took & to feet of dist here material (actual distance is less due to overlap, etc). It descrit look as "sharp" as I had unagined, but will certainly suffice. We also cleared the sath for the hence to the west and put up a 70ft of fence before setting traps between 1230 and 1400kms Aug/3 0700 - checking traps on MC-1. Weather same as yesterday Moining-Summary of Results: P.boylii - 10 captures (2 mew)
P. truei - 5 captures Perpanethus -7 "
N-Fuscipes - le " (Znew)
28 captures By 1200 we finished the drift pence west of MC-1. It took = 210 led of material. Chris Schneide took off for Becheley after leuch. In the afternoon Marco ; il finished off the Rence west of MC-1. We rest traps around 1500 hrs. We spent the remaining at temoon cleaning the vegetation for the drift fence east of RC-1. Bill Lidicher arrived around 200hs Sumany of Results: P-californicus: 2 Captures. P. truei Personathus feotoma

TOTAL

: 21e captures

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RIBBLE, D.O.

Hastings Regervation, Monkerey Co. Calif. Lught We spent the morning on the fence east of Re-1, finishing (con't) it by lunch. In the afternoon we used up the remaining it by lunch- In the afternoon we used up the remaining Kence material on the fence west of RC-1; I need at least 50 more feet, and preferably 20 feet. We ded not have time to put hardware doth at the stroam On this grid. These Things will have to be funded When I return in lake Sextember. 1830hrs - set out 20 traps at the 1st of Zud Crossings (attempting to latch P. californicus for Hissuls). Heset Aug 15. 0730 - Cool, ouercast His moining. Summary of Results: P. Californicus: 2 Captures

P. Coylii : 9 Captures (Inew)

P. true: 7 " Perognathus: Socext. N. Fuscipes 5 Captures (Inew) TOTAL : It the 1st & 2nd crossing trapline we caught # 190207 P. Calibornicus (animal previously used in behavior-powder trials).

(Cat # 785)

Took this back to Berkeley. Packed up everything & headed back to Bezerheley by 1430 hos Sept 29 Finally back to Hastings after getting married and home ymorning in Peru. Wonder ful trip and a nice break! armed around 1400les. Clocu, slight braze and hot (mid-90's!). Everything looks dry. The oaks how dropped a good acom crop and some Acom woodpackers (M. 5 an back) and Neotoma (P. Celly) cabin. No traps set tonight.



Hastings Natural History Reservation, Monterey Co., Cali-Sept. 30 Spent the morning cleaning up the cabin. 1400 hrs - out setting. traps on Groome-1. It's bone dry up in the canyon, the buchayes have lost their leaves (due to heat), poison out leaves have Mostly runed & dropped, some valley oak leaves are dropping, and acom are fairly abundant on the ground and in the liker. I numbered the drift fence on the west side # W-1 through W-14, with the odd no's. above the holes in the fence and the even no's between holes. Thus, 5m between numbers (or stations). I set out traps only in the holes, 14 traps total - il pulled non-tolding Thermans off the grid for these. On the east-side fence, I numbered stations E-1 through E-12, exactly sike the west-side fence, and put non-tolding thermans in the holes. Finished sexing traps on the rest of the grad by 1830 hrs (PST, daylight savings). Total of 93 trap startions set (80 on gud, 13 on drift fences), and used to talling 186 traps- Used 84 folding Thermans, and 10 z non-folding. Today was not (mid-90's), mostly clear, and slightly breezey. The face thes are terrible: The sun sets around 1900 hrs and it is dark by 1945 hrs. DI30h-checking traps on MC-1. It's calin, clear, 70's. Got up a little late this morning - should be out by DFOOhrs. Finished checking a! turps by 0930h Face-flies were so bad I opted for taking all P. californicus back to lat to collect samples. Note that the first animal (P. boylii # 02010) was released on wrong side of Pence. I closed all traps on drift Fence, but left most of traps on grid open.

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	Hastings Natural History Reservation, Montery Co., Calif
Oct 1/cont	Summon of transcerntz (including dreft fence):
	Dummary of trap results (including drift fence): P. californicus: 4 captures (3 new)
	L'Eboylii 2 captures
	P. truei = 3 " (I new)
	P-truei : 3 " (I new) Perognathus : 7 " (I new) Neotoma : 2 "
	Total: 18 captures.
	Finished processing tissues around 1200hrs & released the 4 animals
	at their point of capture.
	In the afternoon if filled in the gap between the fence and Robertson
	Creek on the west drift tence. It mumbered what is funded and
	estimate this fence will go up to W-11. I numbered the
	east fence E-1 through E-10. I then transferred 10 non-tolding
	Stermans from Grid RC-1 to the east fence and 14 to the
, , , , , , , , , , , , , , , , , , , 	The grid will rique 5 th folding Therman traps to complete it. Total
GZIPRC-1	
The same and the s	of 58 stations (64 non-folding; 52 folding) on Grid, 71 stations
	including the drift fence. Keturned to MC-! and reset all
	traps from 1730 to 1630hrs. Today was a bit coder (upper 805)
Oct.2	0715-out checking traps. Clean, Calin, Cooler Han yesterday. Firshed checking
	haps by Daoohis. Note that on the druft fences Zanimals were caught
	Which went around the end of the fence (P. truei # 0440, Perognathus # 0220)
	and another which obviously wanted on the other side (P. boylii # 03020).
	Also, animals were recorptured (P-californicus #1940, P-loylii # 02010 - which
	made it around the fence). Summary of aloning results across ged's fences:
	P-Californicus 3 captures (Inew)
	P. boylii 3 Captures (Inew) P. truci 2 Captures (tami)
	Perognathus & 11 (3 now)
	Neotoma 4 " (1 neus) 5. troubidger / " (1 new)
	TEVAL 23 Captures

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Hestings Natural History Reservation, Monterey Co, Calif Oct 2 (cont) Returned to lab to process tissues of # 1943. I had a hard time with this one-while it was recovering blood drued over its eyes bunding its explids. I was able to get the lids apart and hepst her in a holding case all af ternoon to keep an eye on it. In the afternoon M. Stanbach he sed me finish up the drift sence west of RC-1. We used a 600 ft. mow plashing. The stations ended at W-10 (not W-11 as estemated). after putting Finishing touches on the fence by myself, il set the As traps on both west & east drift fences of tec-1 between 1530 and 1630. At 1700 his il relacisa d # 1943 at station 11,16 on MC-1, and proceeded to reset all traps on MC-1. Finished 1800hrs. Weather today was as yeskeday: warm (hi 30's), clear 0700 in - out cocing traps on MC-1- Cion and calin. Finished decing traps on MC-1 at 0830 hrs. Finished Checking PC-1 drift fences at 0930. Refund to lab to stuff some ; collect tissues from # 1015. Summany of trap results on MC-1: P. californicus: 1 Capture : 5 captures (1 new) P. boylii P. truei : 3 captures Pergnathus: 10 captures (Inew) : 4 captures : 1 new animal Neotoma E.megalotis Total: 23 captures Summary of results on RC-1 duft lines: P. californicus: Z captures (Inew P. boylii Perognathus P. megalotis : I new capture trap montality TOTAL: 8 captions. Spent the afternoon working in the capin

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Hastings Natural History Reservation, Monterey Co., Calif. Oct. 3 (con't). 1630 hrs - reseased # 1943 on The drift fence east of RC-1 and reset all traps. Reset all traps on MC-1 from 1715 to 18:5 hrs. Today was a scorcher! Shorty heard from a ranch it was 110° 2030/ns - Sur Bouck the west drift lence on RC-; for #835. The moon is 3/4 full (increasing) and overhead. It is still quite woum (low 90's). Caught #835 at W-9 and dusked her with Green powder al waited 5 min and then followed her trail to the NE for ~15 in to a fallen oak tree that is 1.5 m off the ground. Could not find her trail after that. Next time il should dust i velases her at this spot. Finished by 2300hrs & returned home. 0710 - out checking traps on 116-1. Locks like mother tot one today. Glosed all traps on the good.
Finished checking traps on RC-1 drift flences at 1910. There is a Scapany at station E-7 which cousers up the traps with dust each evening. I'V have to take care of this. Note that it redusted # 835 and released her where I lost her trail last night. Before returning to process animals, etc., il put folding Shermans on gud 120-1 to be set Kies of Fernoon. Summary of o'esults Of MC-1: P. californicus: 1 capture P. boylii : 5 captures (2 new)
P. truei : 2 captures (1 new)
Perognathus : 7 captures
Neotoma : 2 Lowest total of 4 days, perhaps due to heat 17 total CAPRIESS Summary on PC-1 drift lines: P. Californicus: 3 capturos Perognathus : 2 5 trombiologi : 1 (montality) Total Le CAPTURES Refunded to lab to process tissues and dead animals - Today was

another hot day in the 100's.



Hastings Natural History Rosewation, Montery Co., Calif. Oct. 4 (cont) Set all frags on RI-1 and drift lines from 16 45 to 1800hry. Finished drift lines on MC-1 by 1830hrs. 223 Mis - out checking traps on druft lence west of RC-1. Moon is > 3/4 feel and very bright. It's warm (80's). Dedn't catch # 835 but followed green powder hail to steep bank, \$ 2 m down, above creek. No sign of nest hole 0645 hrs-out chocking grad lines on MC-! let's calm, clear, upper 70's Finished checking all traps by ogo which was just in time as the sun began to but some traps. Note several things on Good RC-1. # 1079 & lactating was dusted RED. She escaped to a hole in a Strong between stations 7,15 5 6,14. #835 was caught and dusted, and she was not lactating. One of her young marked in August was captured with faint amount of green on ears - old transfer. # 10200 had fresh Green Dowder on lars, mouth, and eyes, and old powder on feet and pienis. Ke turned to late to process an male. Summary of MC-I drift fence. P-boylii I capture
Perograthus: 1 " Summary of 121-1: P. Californicus: 5 Captures P. boylii = 5 "
Perognathus = 7 captures

R. measlotis : 1 " (Inew) captures (Inew) (lunortality N. Puscipes: TOTAL: ZZ Captures Returned # 1020; 1949 to their Capture sites at 12 +5 hrs in good conditions Reset traps on duft fence on MC-1 around 1600hrs and then went

surming at Noyces. Roset traps on RC-! from 18:5 to 1900 hrs

on the west drift tenes. Today was another scoucher - 106!

Lustge ling dais when I finished. Set a Machine for the Scapanies

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History Natural History Kessiva from Monter 400, Calif Oct 5 (cout) 2200 hrs- out checking raps on RC-1. Moon is full, temp in your 2013. 2308/hrs-6/ed # 835 atstation 6,10 and redusted her with Green Powder. She really went down dop and it took over 30 min before it released her. The seemed in dray shape. 2330hrs-stopped to chech # 835's old nost for see powder and saw some jeroch Green at the Ind nest site in the whatrone see precious species accounts). I pulled the piece of back from the opening and heard a Squak: Inside were 3 pups, Fantastic! I pulled all 3 of them out at once with my hand. They were tiny, Eyes closed, Eighty haved on theer backs and heads. Their ears nor toes were completely developed, so there was no war for me to mark them (nor did of sower cuting these cuties)-I measured one at 5-29, approx. 65mm total length. I only measured the one because I wanted to get them back in the nest ASAP. All 3 were approx same size; no apparent runts. it alsupted to sex them and came up with 101; 29's. I put them back in then nest and put the back back in peace. is it left, they were squeaking loudly Finished checking all traps by 2355his. 0645 - out checking traps. Clean's calm. Nothing on MC-1 drift lines Oct. Co On IZC-1, stopped to collect tissues from 1979 & Rodusted her RED. Carofit # 1020 at 6,11 (wend wi GREEN POWDER (ears, face, lumbs, penis, venter). Summary of PC-1: P. californicus: 4 captures = 3 captures (Inew) P-boylii Perognathus + captures (Onew L. megalotis 4 capienes (new) Fuscipes TOTAL: 19 captures Referenced to lab to spin blood. From 1300 to 1500 his il patched a small Top in the dust lence east of MC-1, and then siched up all of the bolding

Therman traps. From 1:000 to 1800 hrs il reset all traps on RC-1, claring

the parties along the way with a mache He loset Me-1 cingle lences.

6 15(01,656)

Hastings Natural History Reservation, Monterey Co, Calif. Oct. 6 (cont). Today was a bit cooler (upper 90%), with a strong been (18mph) to he's 2220 hrs - put checking trops on RC-1. Wigon's full charskies, upper 70's-Finished at 2330/us - not much acturty founded, except that I chosed a Paccon (3-yellow eve diene) into the east duft fence. No damage down to the fluce except for a dent. Oco40hrs - out checking traps. It's quite cool adatuse to kup's this week, 'ou to's - I've Moon is on the western nousan. Podusted # 1079 with Red and # 835 with 19ERAI 911 PC-1- Finished clucking all traps by 0915 hrs. Down flog has digeted up love in the vally - perhaps our heat spell is Junally over Summary of results on P2C-1: P-californius: 3 captures Perognatius: \$ le "

E-megalotis: 2 captures (Znew) total Very little activity, probably due to very bugit's full moon. Sput most of the day washing ciothes & cleaning the calin - 41,0010 steppie Today was much cacle, only in the Bo's. Plest all traps on RC-1 and MC-! drift lines from 1630 to 1890 hrs. 221 2220hrs - out decling Maps on (Fred Fi-! only / not duft fences) _ The moon cofficient is full but obscured a low level of cloud cover. Forger in some place. Tempin low 70's. Finished by 2315/115. Not much actually tonight. Even though the moon is covered by clouds, it is still very buglet. 0640 - out checking traps. It's clear, calm, & cool (low 6005). On grid 126-1, #1020 was caught wy GREEN POUDBL ON Cars & Mu scrotal position Finished Checking trayor by 0945ins Some keg this morning in valleys Summary of results on RCT: P. Californicus: 5 captines D. boylis = Pergua Hus (Inew new animal Miliotus R. megalotis New animal N. fuscipes capture 17 Captures TOTAL

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Lostings Natural Liston Reservation, Monterex Co. Later. Oct. 8(con't). Spent the morning working on the drift fence east of UC-1. elustalled a screen between the flence and i've dry stream bed. It's only a 20 cm of screan, so if the stream moves up much it will have to be adjusted. Before leaving, I closed all trass on MC-1 drift lines and opened up the back of the trops. after lunch el went to PC-1 to do some work. First, dwent in on # 835's nest and she was there with the young Wanted to make sure it was # 835 on the nest Next I looked unade a stump that \$1079 was seen going in . Il canced out the passage hole to look in and no nest was found. Cut a trail to expand the west drift pence of RC-1 to the south will require an additional 35 ft (Mm) of fencing. This will gue I more stations on this line. Meset all traps on RC-1 from 1630 to 1730 hrs. 0520 hrs-out checking tops on PI-1. Moon is less than half, but were bught - Temp "pipe led's. Clear. Cedusked # 1079 with RED at Status, 5,14. Redusted # 835 with GREEN at 6,10. Finished checking traps at 0730 hrs.

Best results to date on this gird. The fog rolled in about the time the sur came up. * Caught # 1951 with Rod Powder on lass, exs. month, limbs, tail - Presumably then this is an offering of # 1079. Returned him to lab to collect fissues

Summary of trap results: P. Californicus: (o captures (Inew)

5 P. boylii

P. maniculatus:

Perognathus new anumal Microtus

captures R. megalotis Sorex trombudgii: 1

N. Puscipes

TOTAL: 26 Captures.

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	Hastings Roservation, Monterey Co., Calif.
Oct.90	cout) Rotund # 1951 to field on my way out to Berhely, around 0900/115.
	Could see RED powder throughout the fallen Machone last of 8,12-
	Deobably where # 1079 has her nest.
	V
Oct 12	Returned to Hastings with M. Salvioni around 1700hrs. It's clean,
	calm, and cool (70%). We get all traps on 12C-1 plus drift
	funce traps from 1745 to 1830 hrs.
	2240 lus-out checking traps on RC-1. It's caling 70's, and
	Allecast. No moon or stars visible.
Oct 13	By 0030 his the clouds cleared and the moon (1/2 full) rose in the castern
	shies. Very busy night! Collected tissues from #1952 Lyong of 835),
	1954 (new animal), and 1955 (young of #1079, covered with
	RED Powder). Also radio-collared # 1079 and 835 (which
	was dusted GREEN). Finished checking all traps by 0120
	and returned to the lab to spin blood.
	Went in on nest of # 835 and in toe-chipped 3 young as follows.
	# 100 6 70 77-40-17-11
	# 200 9 9.58 98-43-19-11.0 White toxt-tip (young female # 83)
	All are fully haired, eyes still closed, pinna not completely developed. Not possible to collect samples from these.
	Finished checking traps at 0830h. Summary of trap results
	for this Am & Last night as follows. Pealibonicus: (ocapt. (Znew) 3 capt. P. boylii : 3 " (1") 3 "
	Perognathus: 12 " (3") 7 " R. M. Cealotis: 12 " (12") 1 " (Inew) N. Fuscipes: 5 "(1") 3 "
	N. fuscipes: 5 "(1") 3 " Microtus: 0 1 "
	Microtus : 0 T botal : 1 " (1") - " P. Maniculatus: - 1 "
	Total: 28 captures (9 new) / 18 Capt, Unew)

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Hastings Keservation, Monterey Co., Calif. Obviously, most animals are active early in the evening prior to MOON-rise. Keturned to lab to stuff animals. Before noon, we returned to the grid and finished expanding the drift fince west of RC-1. It now goes up to station W-12. We also took radio-readings on animals (see 579. sect). We set the traps on the MC-1 drift lines around 1730 hrs. We then went to DC-1 and while Marco st checked on radio signals, il set only the following stations: 7, 16; le, 16; 5, 16; 5, 17; 5, 15; and 5, 14. We are trying to Catch # 19440, while radio-tracking the 3 animals with traps 2050 his - out on RC-1 to check few traps set & Tadio-track. It's close, Calm, and cool (100's). Finished a 2355hrs. Se spo acet (Pealifone) for details of might frolics 0800 his-out to chech Mc-1 dreft lines. It's clear, calin, low 70's. No captures on drift line. Spent the morning working in the Calin. 1350hrs - Marco and I staked out some additional points west of grid RC-1 for use in radio-telemetry reference points. Staked out 3,6; 3,4; 2,4; 2,5 (Im west of true point); and 1,5 (3m west of true point). We were also able to map the true location of the west dut t flence. 1430 his - we tried out our Daint wixture on the drift fence west of RC-1. It took the 2 of us I'm. to paint (slopping) the antire fence. Dur mostus tuned out Pink (hideous), or nather desert rose. I'm not sure about this Color, and may paint over it. It will definitely be beder than straight aluman. Weset traps on MC-1 but lences around 1700hrs. Today was clear calm, low 80's. Very Nice!

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Hastings Natural History Reservation, Monterey Co., Calif. Oct. 15. 0310 les - out for radio-tracking on ZL-1. Marco was out this evening from 2100 to 2400hrs (Oct 14). It's closer, cool (low 60's), and the moon is < 1/2 full at about 1:30 in the easter Sky-See Data sheet for record of nights events. Finished at 0630 and moved on to chech UC-1 dreft fence. 3 captures this morning: 2 Perognathus, 1 P. boylii. In the afternoon Marcos Drove up to the Arnold Cabin. Rosst MC-1 drift sences at 1600hrs. Today was clear, calm, Dow Bos. 2230 hrs - out on EC-1 to radio-track animals. Marco has been here since 200 bus - It's clear, calm, upper 100's, moon hasn't risen yet. See Spp Acot. data for details At 0100 hrs I set traps of 17 trap stations morder to get radio-collars back. Got exquals from animals once more at 0140 his before heading in. The moon hadrit usen yet at it is quite cool (low 603). Otocher - Maio went out on RC-1 to check traps and only got Collar from # 835. DADOUS - Both of us checked MC-1 drift fences: 1 Perguathus ; I dead California Turasher. Marco headed back for Bezerheley Heis AM. 11030hrs - I set the traps on RC-1 drift lines and about 18 trap stations on the gud to try for the other radio -collars. 1700 his - 10 set traps on MC-1 drift fences. Today was clan, calm, teup in low 80's. 2100 bis - out che ding frasson RC-1. Clean & calm. Didn't catch any of the collars animals & not much acturity an grid. Note that grid data not recorded since not all traps set.

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Hastings Natural History Roservation, Monteux Co. Calif Oct 17 Obolus - out chocking traps on EC-1. Clear; calinthis am. cladit Catch # 1079 9, but il picked up her signal in the talken live oak east of station 7,16. Caucht # 194407 at 5,16. No obvious powder. Caught of # 1020 at 6,11 and removed the radio-collar. Also Caught # 835 Pat that station. Got radio-signal from 1079 in too ballen each to the east of 7,16. Josh the rest of the Day off for Melanie's B'DAY. Det 18 0 1600hrs - Need to find another area to set a gred for P. californicus, so for the next 3 mights il will set traps in West Ravine, west of the road up to the Audd. Il trapped here in 1986 and designated it Transect XIII, so I will use that again I set out 20 trap stations up the ravine, with 2 haps per station, using haps no. 341-360, then 141-160. The habitat is sumular to Madron Canyon (dense canopy of 2, we Oaks, Bucheyes, Bay trees, few Sycamores) but with much more Poison Oak. Parts of the Ravine are quite steep. Moset traps on TC-1 duft lines and traps on TC-1 only Reset MC-1 dryst hues around 1730 his. For # 1079.4. Oct 19. 0650 - out on MC-1 clusching dreft lines. elt's clear, calm, upper 6015, moon is < 14 and about 10 o'clock in the sky. 0740 - checking RC-1. A lot of animals on duft lines, but no luch catching # 1079 on the grid. TRANSECT XIII results: Brdg. Ng perf., nulliparous P. californiaus M 1957 41.5 342 Perognathus 26 M 346 imp, parous DID up, parout Derognathus 350 M 020

Hastings Natural History Roservation, Monterey Co., Calif. Oct. 19(cont) Transact XIII results (con't): 030 Pergnathus 16 TUD Perograthers 225 07 TND Didn't N. Luseipes Topid. left intrapio/door Perognathus 0100 TNO Finished Checking traps by 0915 lis. Went who to town today for Daint Darheuer and came back with gray over tone. Unfortunably the results were a purple point . Il pounted 1/2m of the drift fence east of MC-1 - I want to want & see what this looks like when dry, but il think it is still to light for my taste (e.g. ugly) 1600hrs - reset traps on Transect XIII. 1700hrs - located radio-signal of # 10799 around station 5, 13. Iluthe piaces of looking for her I found ale Bay tree fruits that had the sed removed with olivious redent graw marks on the found ble shy covering. about 75-60% of the fleshy covering remained behind on each one. Thinking this as a suffered food (see J. Merrit's Sudies), il removed sure al from a local tree and set traps with by smearing the juices from the covering on the door and leaving the seed in the back of the trap. I set the stations 5,13; 5,14, & 6,13; plus 4 extra traps in the vicinity at the base of trees, etc. 1800 his - reset traps on MC-1 dight herces. 2245 his - out cheding only traps on Tel-1 set for #1079 f. Ded not catch her, but got her signal near 4,14; moving along the custe. Clear & cool (60's) this eveny.



	Histings Natural History To servation, Montery Co., Calif.
	0700lus - out che chiz traps on MC-1 dupt leves. It's calm, cool (604) & Goggy.
	Duce again, failed to catch # 10799. Did get here signal from the
	same place as yesterday, st 5,13 in a load, hollow, standing Bay tree
	3m south of the station.
N	TRANSECT XIII results Trap. No. Spp. Wt. Sex Dge Brdg.
	342 1958 P.califoricus 32 07 M TDD (close). White-tail typ. Scar on bach between Shoulders st. Predation escape?
	350 020 Perognathus RECAP.
N	359 0110 Perognathus 23 9 M. Imp, Parous
N	142 1959 P. californicus 39.5 & M, perforate, post lactures. Ued.
N	
N	149 1960 F. Californicus 18.5 87 Lun, TND. Caucht in same trap & escapal 149 1961 P. Californicus 36 87 M, TND. Sunder same boulder in stream best
	150 Didn't N. fuscipes Subadult.
	156 " " " BIG DOUCT!
N	158 0120 Peroguathus 19 & SAD, Wallip.
	Funded the thing traps by 0900. The fog has lifted and shies are
The state of the s	mostly overcast. Great wellts on Transect KIII this AM.
	elt stayed mostly overcast today, with the high only in the med to's.
	From 1545 to 1780 his il set traps on RC-1 with planet butter
	= Dats - Upping that the planet butter will leve # 1079into
	a trap. Set traps from 7,17 to 5,12; plus a concentration
	of traps around 5,13. Reset EC-1 drift lines as usual.
	Roset trops on Transpet XIII & MC-1 drift flences from 1700 to 1800 hours
	2330hrs- Gually Caught # 10799 at st. 6,14 in good shape -43g. Perforate.
	Left the running traps to check in the AM. With Peanet Butter all
	animals should be fine. Also, set le, 10 of le, 11 for \$35.
	The shies are clear tought

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	Hasting Wateral History Roservation, Monterey Co., Calif.
Oct. 21	Dtollus- out checking traps on MC-1 dust lines. No moon, few
	Scattered clouds, and cool (mid 60's). On Grid EC-1, Station
	Scattered clouds, and cool (mid 60's). On Grid EC-1, station Cat No. 793 5,17 had a lead of 5. trowbidge 15.5g.). Caught a leve 5. lationus
	at 5,13. I dedu't mark it, but did handle it - Amazing animal!
	Caught # 835 at 6,10 and relater while I checked the nest for the
	babies. The bank covering the nest entrance was on the ground
	and there were no young. The of moss nest was obviously not
	manitained. When I released # 835 she took unmediate refuge
	in the nest Madrone. But, after & 4 min she darked out to the
	downed leve ook 5m to the east and down towards the stream
	bank between 6,10; le,11. also, note that #102007 was caught
	at 4,13 this AU.
	Transect XIII Results.
	Trop No SPP Wt. Sex Age Brodg 341 1957 P. Californicus RECAT Blood, ear, saliva Collected Tassed left can since rt. chiwed up
New	344 1962 P. Californicus 41.5 051 M Scrotal. Blood, ear, saliva Collected
	346 030 Perognathus RECAP
N.	White top, black band, white band tail. 350 1963 P. Calibourious 26 & SAD nullip. 13 1000, ear, salva
N	356 DID P.boylii 27 & M perforate teats swallenbut not lactating.
N	359 0130 Perognathas ZZ & M imperborate
	155 Toldut N. Fuscipes M
N	160 1964 P. Californicus 38 & M Parous, Perforate Blood, ear, salivar recapture Zsalivas - 1 has saliva + hepan
	150 1961 P. Calibouncus 38.50 M TWO Barely) Blood, Can, salves
	153 Ordit W. Fuscipes SAD
	152 ", " 11
	Frushed checking traps at 1045 & picked up all traps. Went
	back to lat to puress blood & dead somex. Left for Berheley

this afternoon under partly doudy shies.

Hastus's Natural Austory Reservation, Monterey Co, Calif. Nov. Z Arrived back to Histings around 1500 hrs. In the span of a week, the rain has caused the hills to start turning green. Forters grasses have finally started growing after a long, dry summer. I Griffin said Hasting received \$110 fuich of rain in the preceding 10 days. Today is partly Cloudy, Cool (low 70's). It spinhled a few times this afternoon. Bet traps on PC-1 (gud; drift fence) from 1530 to 1730 h (PST-off of DST). Most of the non-tolding Therman's had mold in them which il brushed out. It's dark by 1545 hrs, just as the moon rises (" 3/4 full). This evening was cool and clear. Since it doesn't look like rain, all wait until AM to check traps. D630 his - out checking hapsonTL-1. It's clear, calin, temp in mid 40's. Light frost on roofs and in meadows. It's light enough to work at 0615 hrs. Great results this S.M. Caught all 3 pups of # 835's letter and z new P. Californicus - bled all Muse. Didn't funish chechen traps until 1030 les Sumary of results: P. californicus: B captured Znaw) P. boylii : 13 captures (8 new) Perognathus: 5 " (Ones) N. fuscipes: 1 11 (0) Microfus: 4 " (Znew) S.trowbridgii Z " (Zmortalitus) TOTAL: 33 captures. Ketuned to lab to process bloods stuff Sover. Screwed up

with blood - washed with 40 & spin the blood. Kealings

what I had done after spinning, so didn't decant and proze

the non-washed hemolysate. Today was clear, slight breeze,

Semp in low 70's.

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	Hastings Natural History Reservation, Monterey Co., Calif.
Nov. 3/co	it). Roset traps on ZC-1; Suft lines from 1530 to 1630 hrs. Had a
	recapture on the drift plence (see drift fence Sata). Also, I sende
	Z coffee cans in the ground on either side of the fence at
	E-7 to catch the segments (hopefully). Set traps on MC-1
	dreft fences from 1645 to 1715 hrs.
	2145 his - out checking hapson Pl-1. It's, clean, calm, cool (10w 50's),
	and moon is almost full overlessed. Finished checking traps by 2300hrs.
Nov. \$4	0630his - out checking trapson UC-1 drift line. It's overcast, brossy,
	and cool (40%). It raised this an at oscolus. Clouds moved
	in from the east. Continued to rain lightly through the morning.
	Dusted # 1079 (pregnant) with RED Powder. Fundad checking traps by 0400 hrs. Bled # 1980 of at truck and releases
	at drift fence. Started to rain again as I functionary.
	Summary of results this and: P. Californicus: 5 captures 5 Una
	E. 604/11 8 captures (6/0)
	K. megalotis : 2 Captures 2 (Inew) N. fuscipes : 1 " O
	M. tuscipes M. crotus : 1% 11
	5. trowbidgi : 1 " (Inav) / [Inax)
	5. Latimanus: 0
	Total 24 captures 26 captures
	Rotuned to lab to process blood ; prepare 5. latinanus. It quit
	raining around 1300less and remained overcast the rest of the day.
	du the afternoon of sunk to additional coffee caus on the
	drift sence last of EC-1- I put I and the side of
	the fence at stations/ZmSof) E-2, E-4, E-6, E-8;
	plus the 2 at E-7. I then painted 10 m of the
	flence with a new mixture - Dark gray. This color will
	suffice for Cutting down the reflection.

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	Hastings Rosewation, Ma				
Nov. 4/0	out). Roset all traps from	- 1600 to	1730 hrs. The	raps are getting	<u> </u>
	very muchy with wet bait-tomonow il should clear				
	out all traps.				
	2140hrs - out checking traps	on RC-1.	It's lightly or	ercast, calu,	
	503. Finished by 22454	es			
Nov. 5	0630hrs - out checking tray		drift lines.	laught a	
	live Sover ornatus, firs cheching PC-1 by 0900 h Summary of Results: P. calin	15. Mis	morning was or	un cast, kujo 2	503.
	Summary of Results: P.calin	famicus:	le captures	Le LEM	elud.
			5 11 (Zna		84
	Perogna	Hus.	187 " (Juew)	5	9
	Z. Meca N. Fusc			/	/
	Microt		/	_	1
	Sorey		1		
	Total		2/	15	29
	The traps are turning into	oatmeal	much, so I of	sened up many	
	of them to dry out. It				
	Canyon from around 1300				
	Creek- eln the af temoon		V		
	west of PC-1 (St's W.				
	1500 to 1630 hrs. Clean				0
	sprinkle lightly when it				
	Will not check traps to	rieglet.	Full moon towish	<i>t</i>).	
Nov.le	0630 his - out the ching to	aps. It's	s mostly cloud	ler and cool L42	15)
	On PC-1, Caught # 1955 at	4.18 cover	ed with bush to	ED Powder.	
	Finished dudy a ham b	y 0900hrs	. Returned to	lab to bleed	
	Finished cluding haps b # 1915 and shiff mo	ibalifies.			

RIBBLE, D.D. 1987

	Hasting Reservation, Monterey Co., Calif
Nov. le Cont) Summany of Results: P. Californians: 5 captures
	P. boylii : 13 Captures (Znew, I dead)
	Perognathus: 7 11
	Z. megalotis: 4 " (tnew)
	Scapanus : 1 " Mierotus : Z " (inew)
	Mierotus: 2 " ((new) 5. trowbudgii: 2 " (Idead)
	TOTAL: 34 Captures.
	Reset traps on RC-1 from 1430 to 1600 his - had to clean out sweed
	traps. Fruished resetting MC-1 by 1700 lins. Today was overcast,
	but a slight breeze dried things out somewhat. This evening
	was clear, Gol (40's), with a very bught moon.
Nov 7	0600 less - out checking traps. It's cool (40%) and mostly
	clear. Funished checking traps by 0900hrs. It's clear & sumy!
	Summary of PC-1: Rosults: P. californicus: 7 captures
	P. boylii : 6 captures
	Perognathus: 8 "
	Z. meglotis: 5
	N. Fuscipes: 1 " (killed-on dust face)
	5. laternamus: 1 " (killed-on dreft force) 5. trowbudgi: 3 " [mortality
	Microfus: 3"
	TOTAL: 34 captures.
	Returned to lab to souff sover's scapenius. Spent part of the day
	restocking the ferewood supply at the cabin . Joday was
	warm & sumy. The grass is really greening up - gento
	His sight to see with trees loosing their leaves at
	Hosame fine. Reset traps on EC-1 from 1330 to 1600
	Ms. Reset traps on MC-1 around 1630 ms. Calso set

out caus on MC-1 dreft lines to sink tomorrow. I

need 5 more cans to complete the east flence

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Hasting Reservation, Monterey Co., Calif. Nov. 7. Tought was clear & calm. The moon (~3/4 full) came up about 1900 hrs, so there was a brief period of darkness. D630413-out chooling traps. It's and (40%, clear, with a slight Village. Funded checking traps by DADDhro. Fiched up all tolding Therman's on the Grid. Refumed & spent the morning cleaning the folding Shemans. Summary of results: P. Californicus: 7 captures P. boylii : 10 (aphnes (Inew) Perognathus: + Captures 12 mecalotis: 1 5. trowbridgii 1 M. Catifornicus: 3 11 (Inew) TOTAL : 29 captures Bet traps on MC-1 from 1480 to 1630 hrs. It took longer than usual because it moved all non folding Shermans to the top 2 rows and far east trap stations. Most of the non-folding Thermans had to be cleaned out. Grass ; forts are sprouting out and the buckeyes are beginning to bud out. Alot of smaller (relative to blue; valley oak) acours are in the last liker. Roset haps on RC-I drift lines around 1700hrs. The moon rose torright at 2015 his (23/4). Nov. 9. 0630 hrs - out checking traps on MC-1. It's overcast and in the low 50's this morning. 0700-dusted # 1943 (q lactoring) with Red at 10,12. She escaped to a hole Zu west of station. Finished checking all trops around 0830. It spumpled a bit this morning, but the clouds are beginning to clear. Returned to lab to stuff Soray mortality. Sumary of results on MC-1: P. californicus: 3 captures : Z captures (Inew) P. boylii P. truci Perognathus: S.towbridgii -" (mortality) TOTAL: 13 captures

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Hasting Roservation, Monterey Co., Calif. Nova. Went into foron during the day. From 1400 to 1600 his I sunk Coffee cans on the drift fence west of MC-1. It took auticle to suck all 12 cans be cause it had to hand dig racks out. Toset traps from 1600 to 1645 hrs. Il need to replace the bait on the drift fences be cause some of it is getting moldy Rest RC-1 around 1700hrs. Set a McAber trap at station W-3 for the Scapands (?) that heeps covering traps. Today was warm (upper 70's) and partly cloudy. 3000hrs - out to chechouly gred traps on MC-1. It's clear Calin, low 50's, the moon (3/4 field) has just use 2230 hus - Radusted #19349 at 9,13 with RED powder. She escaped to base of live oah I'm south of station. I inished checking traps by 2250 hrs and returned home. Nov. 10. 0700hus - out chedry traps on UC-1. It's clear, breeze, 5 cool (upper 40's) Fruished cluding traps by 0840. Heard Gust Howed Out Calling West of grid RC-1 ~50m Sumary of Results on MC-1: P. caliboiscus \$1 capt 2 capt (Inew) P. boylii 4copts Brew Z capt Perognathus 4 capt) N. Fuscipes 1 capt Uspent the ust of the morning Suling Coffee cans on the Hu of humon d panked the same fence and kineshed all but 15 mon one side. Theset Mc-1 trops from 1500 to 1630, and fune sheel RC-1 by 1 Hoolers. I cleaned out all dreft line pages & put in new bast



Hastings Le servation, Monterey Co., Calif Nov. 11 0050hrs - I spent the evening in town this evening with an Id friend (-1 Atwent) and Didn't get tach till late. Due to the late hour din going to only chech haps for #19439. It's clear, calm, moon is > 1/2 full. Caught # 19418 at 9,13 - 100 packer on Cars, face, etc. Caught # 1942 N. Suscipes at 10,12. Cheched all traps around station 9,13 and headed home at Ollo his. 0700 hus - out checking traps on MC-1. It's clear, calm, {cool lupper 40's) Caught a N. Fuscises by tail at W-9 (MC-1). It drug the trap 2.5 m it back out since it was in poor shope. The tail sheath of tail Were intact, but barely. Caught # 1943 at 9,12 (528). She escaped unto the old Netoma midden above (s) the station. Junished checking traps by 0900hrs. Returned # 1971 to lab to collect blood i tessues. Sumary of Losults: P. californicus: 3 captures
P. boulii : 3 " (Znew) Ptuli : 4 " (Znew) Perognathus: 411 ((new) N. Ruscipes: Z" (Inew) TOTAL. 16 captures.

Spent the afternoon falling to one of the Manager Condidates
and washing clothes. Next all traps from 1530 to 1700 his
Joday was clear, colin, and very warm (low 80's).

\$ 2130 has - out to check trapson MC-1. In only going
to chech rows 9 = 10; puncipally to check for \$ # 1943.

The moon is not out jet. Finished checking traps by 2230
his and headed home.

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	Hasting Reservation, Monterey Co., Calif.
NOU.12	0700lus - out chicking traps on MC-1. Ilt's calm, clear,
	and cool (low 50's) - Redusted # 1943 with RED powder at 9,12.
	and cool (low 50's) - Redusted # 1943 with RED powder at 9,12. She escaped to an old Destona inidden 4 in west of trap station.
	Finished checking traps by 0900hrs. Took # 1975 (new P. californias)
	back to lab to collect tissues.
	Summary of Capture results. Zeaptures 2 captures 3
	P.boylii 7 "(Znew) 0 7
	* P. truei #2" (Znew) 3 # 11 (lnew) 4
	Perognathus 5" 2
	N fuscipes 1.11
	TOTAL 18017 \$5 21
	The immature P. truei that il have been catching are all
	similar in size and identification is somewhat fenuous.
	They are definitely not P. boylii, but they could be P. Californicus.
	This applies to #'s 0430 through 01120. Il should make
	complète measurements on those ; compare to know P. Californicus.
	It will also be opposent when they are a few weeks older -
	P. truei will start molting into adult pelage sooner.
	In the of ternoon of Junished painting the drift fence
	cast of MC-1 and painted up to W-9 on the west fence.
	Reset MC-1 traps from 1500 to 1600 has and reset RC+
	duft lines around 1630h. Released # 1275 and she
	went down the fence toward the creek, eventually heading
	east under the clurp of young madrones east of E-2.
	Jodan was moskyclean & warm (30%) - Ceroud Weathers
	part Hastings.
	part Hastings.



Hasting Reservation, Monterey Co., Calif Noviziont) 2250hrs- out cheding trapos on MC-1. Ot's cool (low 50's) and purially overcost. The moon hosen't reser clin Only going to clusch the top 2 rows of the girl and enter the data here in Journal primary objective is to chock for #19439 (actating.) Results: P.truei # 0410 500, St 9,5 couldn't palpany yours. kats swollen New P. Calibonicus #1976 & Mat, Parous, Imp, post-lactating 3), 44g. St. 10,6. P. tuen # 01110 plactating. 54. 10,7 " # 0430 lumature 10,8. 11 1 # 0320 89 11 10,9 P. caliboniaus # 1971 0 " 10,10. 1943 & lactatus 9,12. Redusted at Red. Escaped to Funded checking traps by 2330 lines. Note new P. californicus Captured -Nov13. 0700hrs - out checking traps. It's over cast (low clouds) and cool (upper 40/5). Not as mant captures on MC-1 as I had expected, given results from last night. Many (135) traps along the cuek botton had been rolled & cloud, possibly a Frayon or Didelphies. * Un RC-1 dreft lines, I caught # 1931 q lacketing at st. E-5 (out) - I dusted her with DRANGE powder and released her into gred. She escaped toward the stream in a Sw direction. She needs to be beed, but I wanted has to get back to her young ASAP. Finished checking trass by 0900 hrs. Collected a F. concelor (?) scat on the Martin Road adjacent to Grid RC-1. Returned to lab with # 1977 to collect tissues



	Hastings Resovation, Monderey Co., Calif.		(2/2-)	
NOV13/cm	t) Summary of MC-1 rosults: P. californicus	13 (am) 3 captures	12 (PM) 3 (Capturs/Inew)	#ind. 4
	P. boylii	53 " (Inew)		5
	P. truci	/ 11	4 (coptus)	4
	Peroguather	4 11		4
	TOTAL	13	7	17

Note on RC-1 drift flences I caught am previously tagged P. Californius (4 loctating) and a new P. Californicus. The sur came out this AM, but by 1000 less it was cloudy-over cast, again. It round hard from 1100 hrs to 1300 hrs. The manual class arrived around 140they From 1500 to 1600 less, M. Sal vioui and il reset traps on MC-1. We also set out a large Havahart and smaller Havahart to try and catch whatever is kirning traps. We reset traps on RC-1 drift lines around 1630hrs. We also put out 4 mole traps (Shewer-type) at stations W-3(x2), W-9, and E-7 et has spec. We released # 1977 and he climbed , 3m up and a Madrone and fell to the ground. He then scurred along the fence toward the creek, that I made him turnaround. At was obvious he wanted back across. Trually (after 5 min) be went into a trap at E9 and we let him to the outside. It sprinkled on and off into the evening 2200hrs - out cheding traps on MC-1 with Marco & B. Peyton. Breagt, Cal and overast. Radio-colland # 1943 at station 9,12 - Class Fini du d chechig traps at 2330hrs. Took # 1976 back to lab and bled her. Will leave her in cage overnight.

Now 14. 0640- out checking traps with Marco. It's overcast and calm (50's)

Piched up radio-signal of # 1943 at 5 tation 9, 10 which

is an old Neotona Midden. at the top there is an



RIBBLE, D.O.

475—436-y-3-400-y-y-y-y-y-y-y-y-y-y-y-y-y-y-y-y-y-y	Hasting Reservation, Monderey Co., Calif.
Nov. 14/	
	closed all traps on MC-1. On PC-1, courful a lactating P. Californicus # 1917. We Wed
	her at the truck, Dusted her with RED powder, and released
	her also caughta 5. latimanus in a Lunar at the 9 on RC-1, which
	we overdosed on Metafano and gave to a Mammalogy student to
	Suparo. Finished Cheching traps by 0980hrs under class, sunny Sies Sumary of Results. P. califorium 34 1
	P.boylii Co (3 new) 4 (Inew) 8
	P. truci 0 /
	Perognathus 4 1 4
	N- fusciple 0 /
	5. howbridgii
	TOTAL 16 8 20
	We closed all the traps on MC-1. Tonight we will open only
	Frags on the top 2 rows to catch # 194107
	1500 his - 10 set MC-1 drift lines and 2 top 20 w on the yel.
	Rost RC-1 drift lines around 16thers. It remained close
	& sury today.
	213 dus - out to choose only traps set on MC-1 and hopefully calla
	#1944's radio-track # 1943. Clan, calm, upper 40's.
	* Caught # 1943 at 9,10 without her collar! Su species acct. for
	descuption. Went home at 2315hrs-left traps or good open
Nov.15	. 0645-out cheche strayer. It's clear, calu, and cold (10w40's).
	Heavy host on grass. Only caught one P. Etuei (#01100) on
	Heavy frost on grass. Only caught one P. Estruci (#01100) on the grid. Summary of drift fences: P. 100 11ii - 3 (Inew) 2
	Peroquathus - 1 5
	D. fuscipes _ 1
	Total 4 10



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Hostings Reservation, Monterey Co., Calif-Nov'5 (cont). Spent the vot of the morning with the manualogy lass The sun warmed Hings up fast this am. Melanie left this afternoon, as did the mammalogy class. From 1500 to 1600 hrs il rest traps on RC-1 drift fences plus 40 extra traps as follows: 5 stations on either side of the creek west of the grid and east of the drift fence traps #171-180 on nor the side of stream; #'5161-170 on south, low # starts "10m from drift flence); and 5 stations on the 3 north side of the creek west of the gird and west of the drift Gence (#'s 341-350). Finally, il set 5 stations 12 traps per) up the steep side canyon which interesects Robertson Ceek ~ 10m its clownstram from the east drift flence. Thes Canyon consists mostly of madrone and Bay trees with little show - level cover. fluces on MC-1 around 4630 hrs. 2100 hrs - out che chung traps on RC-1. It's clean, calm, & cod. No moon 0330 Peragnathus Davous, 175 0220 Microbus 54 010 S. troubudgi 5 - N. Luscipas Mutagogo; Didit TAG 170 1967 P. Calibonicus 23 09 lun TWD 0420 Perograthus 19 9 mullep) DTC 0130 Microfius 60 89 M WD (close) PTC St 2,5 Trapline east of RC-1: 349 04140 P. boylii 15 89 lum TND ptc 340 04220 11 18 & 11 nullip

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Hastings Rosewation, Monterey Co., Calif. Nov. 15 (and) 34 Otro P. Longlii 15 willes. 3 Retagged + tear # 1979. Tissues collecter Dustod Drang. 3421931 P.californicus 40.5 \$ Cactatus de Returned home at 2220 less after believe Chech traps on south side, east of Grid. Robined # 1931 to her capture point and redusted her with OllseryE. ~4 in to the west relieve she went under a thick pile of letter & twice I should chech this site in the light for any nost possibility. Porumed & spurbload at 2240 lis-Nov. 16. 0720his. - out checking traps on MC-1. elts calm, overcast (Hindows, lebely to brun off), and cool-Trapline West of RC-1 Rosults: 037 173 04240 P.bostii early Materio Scrotal. 23 0330 Perogratus 21 up, parous 1980 N. buseyes TUD (1980) 1981 N. Euscipes M imp, Rulliparon 1968 P. Alitonian 35 87 TWO labit swoller) M Mug, parous 0420 Perognathers 19 9 170 M WD K. macalotis M 0340 Lactoring Microtus M 0140 P. Californias 40 à Lactatus (?) M (1917-dusted with new Red Powder. She escaped to N towards stream. The fun on her back is very patchy. Cause unknown. Molting?). 1982 P. Californiais 28 07 st. 1,5 Tissues collected N TWD 164 imp, 0300 E. megalotis 163 M Darous Peroguathers M TUD 161 0220 P. boryin 20g TOUD 162 04300 Transect East of RC-1 Scrotal Charles) - Covered by DELWGE Pounds, P. californicus 358 852 M 1952 04310 scrotal 248 837 P. boulii 540 349 ·N Redusted w/ 343 2058 03400 P. calefonicus BULLNGE. 344 Escaped to the west. n 1931 ? - 4es Microfus M lactating 341 53 0100

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Hastings Reservation, Mouserey Co., Calif. I bled # 198 Zat the truck and released to in the field before Churing to the lab-around 1000lers. In the afternoon il sunte 3 more cans on MC-1 druft fence, finishing that project Also finished painting the fence west of MC-1 which almost finished off the paint. Rest traps on MC-1 drift Fence's by 1600 hrs, and Tec-1 drift fences and transects by 1700hrs. Joday was breezy, partly cloudy, and cool (low 703) Forecast is for rain formorrow. Z115 hrs - out the thing traps on RC-1. Since du manly interested in lactoring bemales, illowly chech the transects on the north side of the stream to the thest of the grid, and the south side to the west of the grid. Calm, with then large of clouds to the west. Sumary of east traps# st. # SPP wt. Six Age 1308. I east traps# 344 0230 Perognathus 22 & M imp, parous. lactabres (Before releasing her, I fellower 343 1931 P. Californicus her powder tall left this morning a Fun towards the storm. It ended in a thick blocklerry, porson oak, struging nottle, bay tree thicket that borders the stoan. I dusted her with DIZANGE & released her at this point. She went into The meddle of the fuchet. I sexualed after her for " Im until il lost the trail is the way got too thuch. Should examine this tomorrow in the light. Welso chodes Out opposite gide of creek, but no powder sen Mature - tagged, but couldn't road it. 345 ? N. Fuscipes 04310 P. boylis ReCSP

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	Hostings Reservation, Monterey Co., Calif.
Nov Holcost	Trapline west of MC-1.
	185 (Palitum 1967) 23 87 Im TND \$1.5,6.
	VIde Dobit Wheerenes SAP 342,5
	swollen, St. 15 Rodentod Rod
	163 1917 P. Californius not-lactating St. 1,5. Rodusted Rad and she escaped to west away from stream. Wie on drupt hence.
W-1	164 DZZO Perografius RECAP
	Funded by 2240 km and headed home.
Nov17	0645hrs-out cheching traps. It's overcast, low 504s, wet. It has
	dressled this morning. Transect east of II-1 Rosults:
	Areysled this morning. Transect east of TC-1 Rosults: st Set Sep test Set De Bros Escaped founds stream 349 1931 P.colifonius TRECAP Rodusted WORDINGE.
	360. 1955 " " 31 BT SAD TWD
	344 0230 Perognathus RecAP
	341 0100 Microfus 535 & M Pleforete Favous.
	355 Jobs N. fuxapes SAD.
	Transect west of PI-1:
N	169 04330 P. boylii 34 & M lactions [?), pregnant
	164 0220 Perograthus DELAP St. 1,5.
	162 0310 R. megalotis or M scrotal.
	174 0330 Penograthus RELAP
	178 1083 N. Fuscipes M.
	Furshed 0840 hus under a sight duzzle- Piched up traps on south
	Endl of stream, east of grid suce By Motoma seemed present.
	Returned to MC-1 and siched up all of the folding Surmantrapos
	and spent most of the morning and afternoon cleaning then
	out L'apper-shypie). It continued to dreggle-spunhle off and
	on through the day. When I went to pech up the traps their
	were some clear prints in the mid that it first thought
	were some com primes on in the same of the forest

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	Hastings Regulation, Monterey Co., Calif.
Nov17.	were Urocyon be cause the claws were visible. But, the track
	was over 3 inches long! Possibly Felis concolor with claws
	was over 3 inches long! Possibly Felis concolor with claws extended. for traction (?). I also found Procyon tracks
	along the diff fence west of RC-1 witha trap rolled.
	1600 hrs - rest traps on EC-1. In addition to the drift fences
	and transects, il set stations 5,17; 6,17, 6,14; and 5,14;
	to try and eatch # 1079 to chech her reproductive condition.
	Rest MC-1 drept funce around 1700hrs. Also set stations
	9,13; 9,12; and 9,10, to try and catch # 1943.
	213 this - out de due trapes on RC-1 (trap françoits only). low De.
	9,13; 9,12; and 9,10, to try and catch # 1943. 213thrs-out decking traps on RC-1 (trap transacts only). low Ds. Trapline east of RC-1. 4. # spp. wt. Sex Age Bdg.
N	341 0240 Montres 16 \$3 lun No
	344 0230 Perognathus Rocks
(
N	(ARID TRUPS: PTC P. boylin at 5,17, nothing else) Trapline west of PC-1: 1105 0300 Microtus ZZ & lun, nullip. St. 2,5
	163 0220 Perogratius RECAP St 1,5.
	Funded desching RC-1 traps by 2200hrs-Very lettle actionby tomisted.
	2215hrs-conglit 9 1943 at 9,10. Wt=49g. Couldn't get mulk from beats,
	but very swollent possibly lackating. Du sted her with new
	RED Douder, and she except along a doad lint to
	the south. She dedict luter Motoria undidon at station.
	Mothing else captured.
Nov.18	
	Trapline last of RC-1 Wt. Sex Age Brog.
	341 0210 Mindes 10 & lun millioners
	342 Perognathus RECAR
	344 0230 Perognathus RECAP

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	Hastings Reservation, Monterey Co Calol.									
Nov. 18 (cont)	Hastings Reservation, Monderey Co., Calif. St. Delit Spp. wf Sex An Bridg. 347 tag N. Jusepes M.									
	349 931 P. California 42 & M lactatus. Redusted her with orang									
	theret. Shold look for Powder trail tonight.									
	GRID TRAPS:									
	5,17 1950 N. floscipas SAD									
	6,14 1955 P. Californius 31 87 SAD TOLD									
	4,14 010 Perograthus or M TND									
	5,14 0130 Microfus 63 09 M TND									
	Transect west of PC-1:									
	169 1969 P. salifoniais 35 & SAD nullip. St. 5,6									
	168 1083 N. fuscipes M									
	167 Palit N. Fusepies SAD									
	164 DZZO Pensynathus Recap 5t. 1,5									
	172. 1914. P.alibonicus 40 og M scrotal - Covered WEED POWDER.									
	172. 1914. Palibonicius 4D 8 M scrotal - Coverad WEED POWDER. 175 0330 Penagusthus RECAP Escaped toward straum									
	Funded cheches traps around oroders. Returned # 1983 from									
	dreft have to lab to collect trisues. Spent the rest of the									
	morning cutting covers for the pits on the dreft fence, which									
	I put near the cans while resetting traps. Reset traps									
	on RC-1 from 1500 to 1615 hrs. I moved several of the									
	traps on the east side of the grid, and in the process fond									
***************************************	a potential mest site of #1931 (see spp. acct). On the									
	west side on the north side of the stream, I only set									
	the first three stations. Set the same traps on the grid as									
	last night, plus station 5,17. Reset traps on MC-1 from									
	1630 to 1700 hrs, also reseting same grid traps as last nights									
	Today was clear, breezy, temper mid #0's.									

U1 43°

	Hostings Reservation, Monterey Co., Calif.
Nov18 (cont	2120 his-out check, trans an PC-1. It's class calm low 5015 up mon
	Transact west of EC-1 results St. # Spp ut Sex Age Rrag
•	162 0300 Microfus RECAD
	164 OZZD Percyathus "1
	109 04330 P. Loyli 11 Lactating St. 5,6.
	GEID TEAPS:
	(e,14 0240 5. transaction le ?
	6,14 DIO Perguateus RECAP
	5,14 Plo Problemas of M TWD
	6,14 1079 P. Colfonicus 49 & M no milk, lactober ? Dusted Dew RED.
	5,17 1944 P. Calibonias 4000 M Scrotal
	5,17 1950 N. Auserpes SID.
	Transact east of BC-1:
W	340 0320 Microfus 14g 8 /m TNO (try)
	349 1931 P. Calibonicus 41 & M swollen, but us (See Spp Accti)
	344 1952 P. Californias 00 - Covered in DRANGE. Trapia meddlack
	341 Olzo Microfus ReCAP
	GRID MC-1
	9,10 01943 P. californicus lactatus - Robersto (Both escaped to save hole-
	9,10 1941 " " Scrotal, Covered w/ Rod) (see spp Acct)
	Fungled by Z300 lus.
Nov. 19	0700 hus - out chocking traps. It's clear, low 50's, and breezy.
	Tropline east of EC-1 results St # Sp Wt Ser Age Bridge
	350 0100 Microfus 53g & M perf, parous
N	349 0330 11 15g & lun nullip.
	343 Ordit N. fuscipes SAD

The state of the s

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Lesting Roservation, Monderey Co., Calif. N 6,14 04410 P.boylii 18 87 SAD TND 10,14 1074 P. californians def. lactating. Redusted W/ TED powder. 5,14 03430 P. bouger & M lactating 0130 Microfus 051 M TWD (closs) Transact west of RC-1 results. 168 1003 N. Fuscipes RECAP Tissues Collected N 167 1101 Pedifornians 27 & Imm nulliparous - returned to lab to collect tissues US 0140 Microtus 46 & M loctating. St. 2,5 163 0220 Pergnathus Rocap St 1,5. 161 04340 P. boylii Recap 173 P14 P. Californius 87 M Scrotal. 176 0330 Perografius. Frushed by 0945 hrs. all dight hence presage ways were left open & pit caus were covered. Bled animals back in lab, released them at point of capture, and left for Bezerhelay this afternoon. Nov. 23 arrived back at Hastings around 1300 hrs. It's clear, calm, low 70's. From 1500 to 1530his il reset the traps on the drift fence on RC-1, set traps \(\forall 5,15; 5,14; \) and (0,14 on RC-1, and set a 5station (2 traps per) transect last of the grid. On the transect, used trap#'s 321-330, with#321 starting at drift flence. This is basically the same transect as last week. The creek botton is very damp, and the willow have started truning yellow. From 1600-1630less il reset drift bence traps on MC-1, and set stations 9,8; 9,9; 9,10; 9,12; and 9,13. Refuned to clear traps. The moon (1/8 full) is set in the west as the sun wassetus

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Hastings Keservation, Monterey Co., Calif. Nov. 23/cont). 2115 hrs-out checking muse haps set. It's clear, cool 1405), no moon Transect east of PC-1 Results.
St. # Spp. Wt. Sy 18 Ruly. tests very swallen, ORANGE Still USIBLE, 1931 - P. californeus 41 9 M but no mille. redusted with or suite scrotal brang on mouth, Sunts, tas 323 1952 P. calibonicus 37 89 M 324 0100 M. Calibraians 58 & M. prequent. For sot to lock at I hum nulles. 325 0400 M. Calibanicus 20 N. lato 327 04310 P. boylii 25 89 195% N. Auscipes 329 0320 Microtus 18 09 lun vals 330 0330 " IT & lun nullip. Results on GRID MC: 9,9 01130 Poruei 22 9 luin nullip (all gray color) 9,9 0410 P.tuli 18 8 SAD TND 9,9 1943 P. Calibanicus 47 9 M romulk. Under Buchang west (Zu) of station Funded 2230les & headed home. Nov. 24 0700 les - out chochig traps. It's clear's cool (40's) Results on gird MC: 9,8 0410 P. husi 14 0 SAD MD Escaped to hole above Definds 9,10 1943 P. Californiaus ladating medden. 9,13 01140 P. Juli 17 07 /m TND Transect east of RC Rosults: 321 04230 P. boylii 19.5 & lun nullip 322 03410 P. Goylii 21 07 scrotal 1931 lactating P. Califoriaus 323 1979 0240 Microfus 7 vulles. 325 lun 04140 P. boylii 327 19 00 Lum TWO. N. Puscipes Microfus 328 M 1953 329 0410 N Im TND 18 8 carly 330 04430 P. boylii VAV 15 9 nullup



Hashing Roservation, Menterry Co., Calif. Nov. 24 (wit) Results on GRID RC Age Brd 6,14 0310 P. maniculatus 14 SAD rullip. TND. almost all brown or a dult. 4.14 1955 P. Californians 31.5 SAD Hat swollen, 5,14 645 Microtus 57 lactating = 010 Pengnathus 25 TUD Finished checking trapsby 0915hrs. I returned P. californiais # 1993 un my pochet because he was still very sluggeste il will release him His afternoon. Spent most of the Day cleaning the Cabin un prep. For Turkey Day. Resot traps on RC-1 duft fences, transect east of grid, and some stations on grid from 1550 to 1615 krs. Released # 1983 in good shape. Roset MC drift fences & closed all guid traps from 1630 to 1700 hrs. a thin layer of clouds moved in this afternoon, Cooling the temp into low Fo's. By 1730hrs low clouds moved in from the north & the west. 2120hrs - out checking traps on RC-1. It's partly cloudy & breeze y. Rosults on Transact last of EC: 4. # Spp. Wt. Six Dg Ridg up, paron 0230 Perograthus 21.5 & W 0100 Microbus RECALD 04400 MICHOTUS RECAP lactating. P. boylii 30g & 6,14 0310 Y- maniculatus RECAP 5,15 1079 D. Californi Cus 50g & M pedaloly pregnat. Escaped to West Nov 25 0700 hrs - out chedring traps. It's clear, calm, and cool (und 405).



Hasting Kosewation, Monterey Co., Calif. Nov 25 (cond) Tresults on transect east of RC: Perognathun 22g unp, nallyparous. N. Ruscipes 2159 & M Redusted WI DRANGE Powder 324 1931 P. californicus RELAP. 325 0404 P-boylii 22 8 SAD scrotal 327 04310 P. Goylin RECAT Scratal GRID TROPK 6,14 1944 P. Californicus 398 BT M scrotal. Some RED on ears : month, tot not obvious. 6,14 0310 P. maniculatus RECAP P. boylii ROCAP Ruguet 5,14 03430 Furshed cheding traps by 0845 has & returned to lab to stuff somex. Pichodup all the traps on the transect last of IC-1. Spent the rost of the morning in the lab preparing previously brozen specemens. Spent the afternoon cleaning the cabin in sup for Turkey Day. Reset only drift fences on IC's MC grids from 1600 to v700 lus. Today was clear, breezy at times, low 70's. Nov. 26 Happy Manfesgering: Otoolers - out to chech duft flences. It's clean, calm, and cool (low 40's). Cheched all traps, closed them, left traps blocking passage warp, and covered pit falls. Finished by 0030 his and returned to striff mortalities. I'm taking the next few days off for Thanks giving Nov. 28. This afternoon Marco ; il test traps on Good Ec, and drift lences, and MC duft funces, and the top 2 rows of traps on MC We finished by 1645 less. Loday was mostly clear; calm, temp in to mid 70's.

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	Hartings Reserve	on bion, Manferey Co.	Calif.	
Now zelcon	2120 hus - out	cheching gud trajos ou	ly on MC SECT- It's class	y Moon is 1/2 tell
	about 1:00 in u	rest slug.	0	
		V	13 & lactating, 49g. We	put a radio-
			lio-collars with wire collars	
	Ch # 11. Dung	died chicling De	64220 hrs & 12Cb4	2300hrs.
	Not much	relivity on RC,	tour det.	
NOU 29	0700 hrs Ou	t checline trass. It	's ourset columno	01 405.
	Results on M.	Litraps.	*S overcast, calm, upp *ND 9.6 3+: Rotum	When the second
New	MAU Caller	wun 31.0 @ sad	nullip 10.7 for to	ed to lab
,,,,,,	Funshed che	luc all traps by M	30less His morning. Ils	
			und new L. Californica	
d	#11010 to lab 1	to collect tissues.	Summary of Esult = 0.	n PC (gid ouly)
	Pralifornicus	20 Nov. PM 3 captures	2 d Wow (am) B captures ((www)	# wolveds
	P. boylii		· ·	12,
	Microtus	2 Llnew)	3 "	4
	Perogratius	2	1	2,
	Z. wegalotes	D	/	/
	5. troubudgie	1 LInew)	/	2
	N. fuscipes	1	! 3 (Znew)	3
,	To take	lle Contunes	28 Caphurs	33 mduriduds
	du ble after		enished painting the ea	
	Leuce on RC	. The color is a light	glet tau. We reset tra	200
			, and dreft bence of	
			on 1600 to 16 30 hrs	
	also cost a	radio-location	on 1943 (see sprace)	1) Ilius
	al fermon u	ras clear and ce	aini.	
	1			



		<i>t d t t</i>	1 1 0.1	
	Hastings Loservi	ation, Monterey C	o-Colife.	
Nov. 29/c	out 2180hrs - 0	ut dieding tra	poon PC. If	's clear, colu,
	moon is </th <th>2 full and over</th> <th>head - very bug</th> <th>let! Finished</th>	2 full and over	head - very bug	let! Finished
	by 2200hrs	- Note that #1	944 was Caught	with Red powder
	around mon	the on law heet	tail, and back.	
	On GRIDMO	1-1, Huse was o	uly 1 Capture a	nd no Peal fornicus
	We got the	radio-signa	Mon# 1943 W	The same area
	as this after	unoon - start s	outheast of state	on 9,11. The signal
			s moirne arous	
	Lucked un	MC by 224	There and return	ue de horno -
Nov. 30				utly over cost - con.
			ue, TWD, 37g atsi	
	sut a radio-	Collar on him & r	eleased (Ch#3)	
			loy 0930 lus cu	
	Ceroud 1100 hr	s it started to	spenhle and con	spinus Sterough
		umany of 10511		
	Porliforing	291 pm S 4 Captures	30 (Am)	# undwiderals
	P. Goylii	5 "	7 " (linew)	le E
	Miciotus	5 "	3 41	6
	Perognathus	2	2"	3
	Sorex	0	2 " (plead)	2
	P.maniculatus	1 41	l n	/
	Westoma	0 11	4	4
	TOTAL	110	24	30
			arond 1500kes- We	
	and De Dia 11	200 do 1/201.	and MC dieft	Paulon Brand
	1200/ 11/	ALLO UMA MIL	to Cat inden-de	perior on
	1012 1011 1	at amother	was wrong with	Le Hear alla &
	177331771,6	ier somering	was wong will	11 A 1 1-1
	no signal wa	is received. I	exuned to fux	hus for tolleght.

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	Hasting Rosewation	n, Monteux Ce	o. Calif.	
Nov. 301		•		, but the moon (234)
	is visible overhead		1	
	captured, so we		^	
	gt radio-locas	tions (see spe	-Act)	
Deel.	D700 ws - out clocked	ig traps en 20	c. It's raining	Leghtly, Huspin
	low 50's The rain o	continued while	we checked trap	1. Finished
				Coloma montality
	and Marco wen	tout to radio	-hach 1943 \$ 194	11 - disaster/see
	Sps. Acot). Sun P. Californicus P. bonfei	mary of result	to on Grid RC:	# indurduals
	P. Californicus	3 captures	7 captuses	# indurduals 7
	P. bonfei	3 "	7 " ()	7
	Microtus	2 "	2 "	4
	Perognathus	2 "	2 "	2
	Z. megalotis	0 "		
	Sorox		0	
	Puaniculatus	/	7 //	/
	M. Fuscipes	0	2 Clmontale	ty) Z
	TOTAL	12	22	25
	We went into town	n around were	noon and retu	rned by 1300/crs.
				320 - 50 - 50 -
•	The angles on 8	Le guid are	as follows: 2	320
	0			140
	We Z19-2099	I up the can	you, funding	about 12 stations.
	Roset DC traps	from 1545	to 1630hrs, and	about 12 stations. I reset MC Orift
	Vision and Her	Has from sour	my Har with M	C/ see son sect)
	from 1630 to 1	700 hrs. Ilis	afternoon wax	parkly cloudy
	and warm			

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	Harrings Reservation	in Markeraulo	Calif.	
Dec 1/co	it). 2140hrs - out a			Han clean 50's
	Maon is 3/4 bull	and very bright.	Fundad by	2230hrs-not
	muchachurty, p	wobably due to me	on. We nex	+ checked grid
	trass on MC, bu	+ mes no P. caly	fornicus were	captured - Returned
	home by 2300hr			
Dec 2	0790 his-out che		· clt's clear L	with claudes to west,
	1 /			3) on MC gred traps.
	There were very flew			
	Checking Fraps by			
	to work on the	regist. (WR) We	finished state	ing out a total
	Of 62 stations			
	grid)			
	Summary of the	poinc resultson	grid RC:	# individuals
	P. cali fornicus	2: caphues	2 captines	3
	D. boylii M. crotus	2 "	6 "	7
	Perospathus	2 "	3 "	2
	P. maniculatus		0	
	M. Fuscipes	0	1 (new and	nal)
	TOTAL	9 Captures	14 Captines	18 captures.
	This was The Reus	est number of ca	sprus This week	, presumably due
	to the very bug			V
			leno in la	201 704 WD
	- afremoon we	& July would		
	The afternoon we reset all traps	on GRID RC & RC	andt fences	from 1545 to
	reset all traps	on GRID RC & RC	andt fences	from 1545 to
	reset all traps of	ou GRID RC & RC natur Westoma W spract for radio a drift fences on	as caught at Socation of	From 1545 to 7,12 and released \$1079.
	reset all traps of	on GRID RC & RC	as caught at Socation of	From 1545 to 7,12 and released \$1079.

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Hastings Natural History Reservation, Montey Co., Cald. Dec 2(cont) Map of Grid WR, located in West Bavine off of rd. to Amold Arnold Rd. 8 8 1400 62 stations total. 200m doing. Habitat: Oak-Bay tree woodland with Madrones, (alot of) poison oak, and Ribes.

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	Shetings Poso	wation, Monterey	2 Calil		
		out checking hops o		s' very buch	t- moonid
	> 3/4 full and	directly overlead.	Fundad Ecby 2	2230lus au	d poeseoded
	to MC to ch	ech gued traps. At	station 10,11; caus	fet # 1941 8	Pand
	removed ma	Sunctioning radio	- collar Gee spp	act). Rota	ened home
	by zzodus				
Dec3	0700les - out	cheeling traps on	MC. It's clear,	and cool	upper 46's).
	On the grid	we caught a new	-uladut P. califor	mices (#1111)	and
	one of the ye	oung animals /# 1116) from \$1943.	Bothanun	als
	were return	wed to lab to colle	ct tissus. On	EC, Ul.	reuroued
	the collar of	f of # 1079 just	- in time - anos	the animal	had almost
		urie collar off.			
		emoured a M. ca			
		e that had been			
		in at the first			
	Durmary of	(trap results:			# udwodis
		P. Calibourcus P. Coylii	1 Captrue		
		Miciotus	5 " (Inew) 2 4	7 " Clneu	
		Perognathus	3 "	2"	
		R. mesalohs	<i>t</i> .	0	
M		TOTAL	12 "	14	21 ml.
	Returned to 6	Tab to bleed new as	unals of shift So	rep. I spent	
	the wormen	on working on a se	enunai falle for E	Saturday.	The
	af fernoon	vas clar, sunny, a	D warm. We	reset all	traps.
	on RC, MI	2 Suft pence, and	Z top rows on	Mc from	1545
	to 1630hrs		,	,	

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Ha sing Reservation, Manherey Co., Calif. Dec 3(seit) 2/30hrs - out chocking traps on RC. At's mostly clear, the mon is almost full -very bright. Marco sel look need to get back to Belieby sarly tomorrow, so we are going to sich up all the hass on Retought. We will chash the drift fences as usual tomonow am. Finished dischung & piding up traps on EC by 2230hrs. Sumary of Results. K-Californicus: 4 captures P. boylii : 9 11 Kerognathus: 3 " = 22 captures Proceeded to chech grid traps on MC & Caught # 19439 with very badly cheur radio-collar (see spp acct). Returned homeby 2.300 lies 0 Foother - out checking duft flences. It is overcast and threatening to rain. We finished checking traps by Ogoolus. all sit Cours were covered and traps were left bloching passagioning un drift pences. Returned to lab to drift some montality. left Hastings for Buleley around 1000hrs in a hearing arrived back down at Hastings around 1430hrs. It is was clear; rater, upper 60's. It oberrowsly rained hard over the weekend and the ground is very soft.

over the weekend and the ground is very soft.

I set out for Madrow Canyon around 1500hers and

Came across 2 Lynx rufus in front of the Cafrin'

Loot within 3 m of 25 the smaller, younger of the

two-funtastie. Finished resetting Mcdrift fences

at 1600hrs & El drift fluors by 1700hrs.

Hastings Kosewation, Monterey Co., Calif. Dec7(cont) I had intended to set traps on the new grid in West Ravine (WZ) this afternoon, but due to my late arrival it wasn't posselle. When returning to late I came across a group of 10-12 does proliching" on the slope north of the road to the lab (200 m west of late). 2 of the younge does were running circles around the group, Jumping & huching in the air, according to I. Griffen, these bouts of play behavior sometimes lead to aggressive incounters between of der & younger does. The moon (3/4 full) rose around 2000 has with clear,

Cold (404) sheer

Dec B Ottohis- out chocking traps - it's overcast, raining, king in 40's. Lenished checking traps by DBIDLIS, Still raining, lightly. Returned home to work on data analysis. By noon the rain stopped, but shies were overcast all day. From 1400 to 1615 his d set traps on gud WR (new gird in West Raine). Il covered most traps with balsa wood slats il got from Bole Souls. Suice il didn't have enough to cover all traps, some stations (~15) were set with both traps next to one another and covered with I stat only. Reset drift line Kluces from 1630 to 1715 les.

Clouds cleared after sunset tought and moon rose a around 2015 lus.

Dec & Obsolus - out checking frags. It's still Dark this early and over east. The clouds burned off with thesen this am. I bled four P. californians from WR at my truck, and returned Them to their capture location.

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	Hosting Reservation, Monkey Co., Calif.
Dec. Monit)	Hosting Reservation, Monterey Co., Colf. All were rebrased in good shape. Returned to lab 64 1030 his to spin blood
	and stuff Scapenus collected on drift fence.
	Sumary of trop results: P. Californicus: 5 captures (4 new) P. Coylii : 3 captures (2 new)
	P. Coylii : 3 captures 12 mm
	Permuethen: 5 " (3")
	1) francisco : Z " (Z")
	Perognethus: 3" (2") N. fusciples: Z" (2") Sunshine lasted until noon when clouds moved in fronthe west.
	I reset traps on Grid WIZ from 1515 to 1600hrs, and the
	duft fences from 1615 to 1700 hrs. Shies remained overcast
	His afternoon with brief serods of driggle.
	ZIBOLUS - out checking traps on word LEVZ. Slies are mostly overcast
	and ground is very wet. Momentsafter al started it legan to
	drizzle, shortly thereafter il saw a Lynx rufus on the bank above station.
	16,14. It wasn't startled by my presence and spent 10 min grooming
	until I moved on. Furthed checking traps by 2330 has, and
10	Mruned to lab to spin blood from 3 P. califorieus collected tought
Dec &	Oteo hus - out choching traps. It's class, cool (upper 40's), and
	very damp. Caught a new P. californicus on le drift fence.
	Not many captures on GRIO WE this am. Summ Furiled
	checking all traps by ogeolus - Te fund to lab to blead
	anyuals Summary of results on GRID WK:
	P. Californicus (o captures Bueno) 3 capt (new) 7
	Perognathus 4 11 Z11 5
	Auguals Summary of losults on GRID WE: P. Californicus (o raptuus (3 naux) 3 capt ((new) 7 Perogna Hus 4 "1 Z"1 5 W. fuscipes 3 " ((new) 1 "1 (new) 4 P. truei 1" 1" 1
	P. boylii 0 0
	TOTAL 14 7 17
	Obrously, most annials are acture prior to morise.

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Harting Rosevation, Monkey Co, Calif. Dec 10 (aux). I reset traps on RC & MC drift forces from 1415 to 150 dus, and Gold WR from 1515 to 1600hs. I set traps a bit earlier to day because il wanted to look for a lost Yesola scale (which termed up in my truck). Found F-conceror tracks on GRID WIZ around station 6,5. I also brought home a tiny Microtes that was on it's back in the bottom Of a pet can on the east drift fence of ZC. It only weight belong weight 10g and was barely alive when found - 40,20100 from This afternoon was mostly clear, with some clouds moving un around sunset. 2200hrs -out che chiz traps on WE. It's calm, cloudy, why dark all be profung up trops as I chech the grid. The fog rolled in shortly after I started. Caught # 458 of (scrotal) at station 15,12 covered with RED powder (from \$# 1957). Il don't have blow from him, so ell take him borch to blood tomogist and release him tomorrow am. Finished checking trops beg 2345 his and headed back to lab. Otooms-out checking traps on dight fences. It's occupant and foggy.
Wole caught P-mandulatus on MC drift fence (mortality) - all 4 From 45 cas caught in Closed all traps on drift fences and left them blocking the sassaguays - also covered all pit cous. Finished duding traps by 0830 and returned to prepare Sorex montality left for Berbeley at 1030 less. Dec 15. Arrived back at Hasting around 1300hrs. elt's cloudy. raining, windy, and cool (40%). According to Comine Adams, the past few nights have depped down in the 20%. If this weather continues, it could snow!

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Dec 15 (cont). Il becan tissting traps on MC-1 at 1430hrs. I placed a wadded up paper towel for nesting makrial in every trap, and every folding Sherman was letter placed in a dry spot next to a tree or covered with a stat of balsa wood. a few stations (10) were set with both traps side by side, covered with a single wood slat. This took longe than usual, funching by 1715his. Due to Sanues, il deduit set the 4 stations on now Il, and I didn't set any drift fence trajos. 2120hus - out checky traps on MC. It's windy (gustar up to 40 mph), cold (lower 40's), and steeting / raining. Generally Shitty! Only Caught Banemals, so I few shed chocking traps by Dec. 16. 0715hrs - out checking traps on MC. Weather wit changed from last night - windy, sainy, cold. Finished checking traps by 0830 hrs. Capture totals: P. boylii - #413 new); P. californicus -1;

from last night - windy, asing, cold. Funched checking traps by 0830 hrs. Capture totals: P. toylii - \$2413 new; P. calfornicus - Soner troubidaji - I new; Total of Coaninsss. I'm musing 4 folding, Shermans from gud WZ, so it went to go clock for them found 2 of them at station 4,6 with 2 montalities (P. toylii & N. fusepes). Found the other two traps at 5,6; which had never been set. Returned to laborate stuff these montalities from Grid WR. It continued to sain off-and-on throught the sun into the afternoon. From 1430 to 1700 hrs. Il set traps on PC; MC drift fences, and noset traps on 17210 MC. I put paper towels in all drift fences, and respect traps. Caught 2 surel Europeis towels in all drift fences. I released the color of the species side of the fence. It rained lightly all afternoon.

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Hastings Kesasvation, Monterey Co. Calif. Dec 16/2011) 2130 bis - out checking traps on MC. It's cloudy and cold (100 4015). Causht #19439 at station 10,15 and dusted her with Red Powder. Also caught Znew P. californians which I returned to the lab to bleed in the AM. Finished by \$ 2230hrs. Much better 18 sults this PM - The clouds were beginning to clear when I when Dec 17. 0720-out clucking haps. It's clear, calu, and cold (hoavy Frost ou cars). Caught a sawinmature P. Californicus at st. 9,10 which looks like it has Red Powder on it's ket. Returned it to lab to blad. Finished checking all traps by 0930 his and returned to lab to bleed P. californicus 16 (Pu) Summy of results this aux. P.californican - Z captures (I new) 4 (Znew) P. 604lii - 4 captures (1 new) R. meglotis - 1 " (new) TOTAL - & captures el returned all 3 animals to their cosptere sites before noon il reset traps on MC His cif ternoon from 1500 + 1600 hrs, and reset RC drift fence traps around 1630hrs. This afternoon was mostly clear (a few clouds) and warm 70's 215hus - out checking traps on MC. elt's clear and cold (low 40's). The moon wit out and the stars are uncudeble. Juished the duy all traps by 2215 us and headed home Dec 18. 0700 hrs - out che chiz traps on UC. It's clear, calm, and cold (3015). The moon is about 10 octobe in loster slices and is just a sliver. Semished checking traps by 0900 has and returned to lab to blad new P. Californicus # 1133. Examined her in the dark and she is covered with RED souder lears, month, lunter, body). She is undoubtedly from #1443's letter.

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	Harting Reservation, Monterey Co., California
Don 18 / ros	Hattings Reservation, Monterey Co., California 18 (am) 17 (Pm) # wednesdy 14). Summary of trap results: P. Californiaus 3 captures (Inen) 3 capt (a
Jec 10 (w)	P. boylii 56 " (Inaw) 35" 6
	P. truei 1" 2" ((new) Z
	N-fuscipes 2" (Inexp) 2" 3
	TOTAL 1/ captures 10 captures 17 ind.
	Potumed # 11 33 to capture site this arm and worked on paper work the
	rest of the morning. This afternoon I set out 5 trap station [2
	topsper) east of gid RC and 5-stations on the gud to assess
	reproductive condition of females. Reset RC Duft fences
	around 1500 lus and MC traps from 1530 to 1630
	Ins. Today was sunnyand warm - award 1 tothers
	the fog rolled in from the west:
	2140 lus - out cheding traps on Grid RC. At sourcest and wormen
	Han pierrous riefits. Since it is so warmand there are no lactory
	25 on MC, all west outil tomorow and chach those
	Thankect last of RC Results Trap# 1000 Spp Wt Sex Hag Brogg 278 0100 Microfus SA & M Port-lactabring Reference, parous
30	278 0100 Microfus 59 & M Post-Tactabria
* W	274 1135 Padefourieur 20 9 lun nullip. Novisible pauler on aincl
	272 0410 Microfres 34 89 SAD TUD.
	Results on trap gird EC:
	10,14 1136 P. Californicus 229 & Inm. mullip. Fant led on cuisde of earsonly
	5,14 645 Microbus 58g & M Perforate parsons.
	5,14 1137 P. California 228 & Lun, nullep. Refinite Rodon inside de car
	The starred annals (new P. californicus) were returned to lab to blad
	Homorrow am. Great results! Furshed by 2715 his and leaded hours
	1 (30 vo vous Come)

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Hastings The servation, Monteret Co., Calif. Dec. 19 0700les - out decling raps on MC. elt's paggy and overcast, temp in 40's. Results on Transect east of Grid RC: 280 04400 Phosfii 25g SAD unp, rullip early 27le 0130 P.boufii 19887 SAD 273 TAG N. Luseipes M Results on GRID RC:

1 returned to lab). Covered with Red Powder Caught at based old salix turnle
5,13 1139 P. californicus 23g 07 Ivun TWO. Where # 1079 4 was mosting. 5,13 04410 P. Louglie 22.5 82 300 Santal. Frushed checking all traps by 09.5 & returned to lab to bleed animals. Sumary of trapresults on MC: P. Californicus 5 captures Z Captures (Zuew) P. boylii P. truci D. Luscipes 3 captures TOTAL 13 Captures I seturned all 5 P. Californicus to their Capture locations and released them this am. The sun burned the clouds off early leaving Clear skies Hus am Roset all traps on GRIOMC & MC Chift fences from 1530 to 1630 kes, and RC drift sences, transect east, and good traps from 1630 to 1700hrs. Somight was clear and cool with almost no moon. Dec 20 07 robus - out to check traps it's clear and cold. Results on fransect eart of RC: Sex Age Brog St. # Ppp. WT lun nullip. Returned to late bless 280 1140 P. California 21.5 9 279 0000 Microfus RECAP LOST 1/2 of tail recently. 278 1979 276 O4040 P. Californicus 41 & M Cachatring. Dusted of DRANGE.
276: 04040 P. Goylii 24 82 M Scroppl. Mizney 12 of bul. 1135 P. Californius RELAR. Eye fine.

Hosting Reservation, Monterey Co., Calif. Dec 20 from Transct cost of RC (cont) 272 0410 Michael RECAPTURE 0120 Microbus 52.50 59 Mature. Scrotal Results on GIZID PC:

6,14 1079 P. Californicus 47.5g & M. Partonate. Dusted NEW EED. 5,14 1137 P. Colefoureux RECAP. Eye Line. On grid MC, cought # 1943 at 9,10 and she was definitly lactating Dusted her with NEW RED and she escaped into hole above 9,10. I picked up all traps on MC as I checked, so I dedit finish Cheching all traps until almost 1100hrs. I returned to lab to bleed the following annuals: #1140@ (new animal from east of TZC), # 1941 of from MC which I tagged the left ear \$1141, need blood for proloctin project - Ind sample), and #1100(scrotore or from MC that I can't fund record for in spo acct. (??)). Refurmed at Sunnary of Capture results on M: P. Californicus: Ocaptures
P. 604/11 : 5 Captures
Linew P. truei : 4 captures N. Fuscipes : 1 cophu TOTAL - 18 captures Note that on the west RC drept fonce I animals were captured which is "/14 % trap success. This is way over 50% and continues. Locked at 1941 in the Dark and he was to

appeared to be fresh Dowder around his mouth and or lunks.
Refuned all animals bled to their capture sites before woon.
Spent most of the afternoon riding houses with Mark
and Shorty at Noyes. Wonderful.

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Hasting Keservation, Monterey Co., Calif. Dec 20(cont) Reset RC Drift lines, transact east of RC, RC gud tiges, and MC drift lives from 1600 to 1700 les. Found a young Microsing dead in a sitfall can on Reduft feice that had been securinged by brokes (Cat 16.814). apparently it fell in some time to day Z140 hrs-out checking traps on RC. It's clear, calm, and cold. I will pich-up and for close all traps of check tomeget. Rosults on transect fact of RCing Brdg 279 Outlit N. Fuscipes 278 1140 P. Californian RECAP. * Covered with Orania Poudar. Fed, tril, belly. Z76 TAG U. fuscipes Maturo. 271 0320 Microfus RECEP 5, 14 1237 P. calibourious RECAP. * Covered with RED powder (allower). (clocked the base of the tree entrance south of 5, 13 where #1079 was radio-trached, and there were grains of Red Poisder on blades of grass at the entrance) Fundhed by 2210 hrs and headed home. 070 hrs - out chung duft fences on 7 Cand MC. It's clear calm, temp in upper 3015. Finished checking all traps by 0400hrs. I cleaned out all drift fence traps as I checked them, leaving Hiem dismantled with drift fence passageways left open. for Christmas Break. Lift Hastings for Berkeley around noon.

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Grid Data 1987

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Feb 1-2		Coll-saluda ; pinna fissus	When 5 pines - White Fail Hy	salua; perus - escaped to dole was station.	P	Cali 17	11 11 - escaped to VE, aut of sight		11 - glans event.	16 11 Escaped unedles bush 3w below station		0	3	11 11 = escaped whole-wand w/tag *2- Vot		Didut coiled sort	Salva & Ruma	9	escaped to stran back. Tanged loft lan # 1027.	Wate Tail Til				
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RIBBLE, D.O. 1987

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RIBBLE, D.O. 1987

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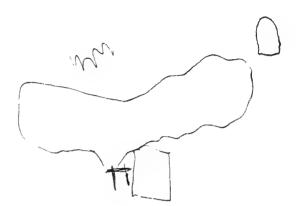
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LOURNAL - GRID DATA (3)

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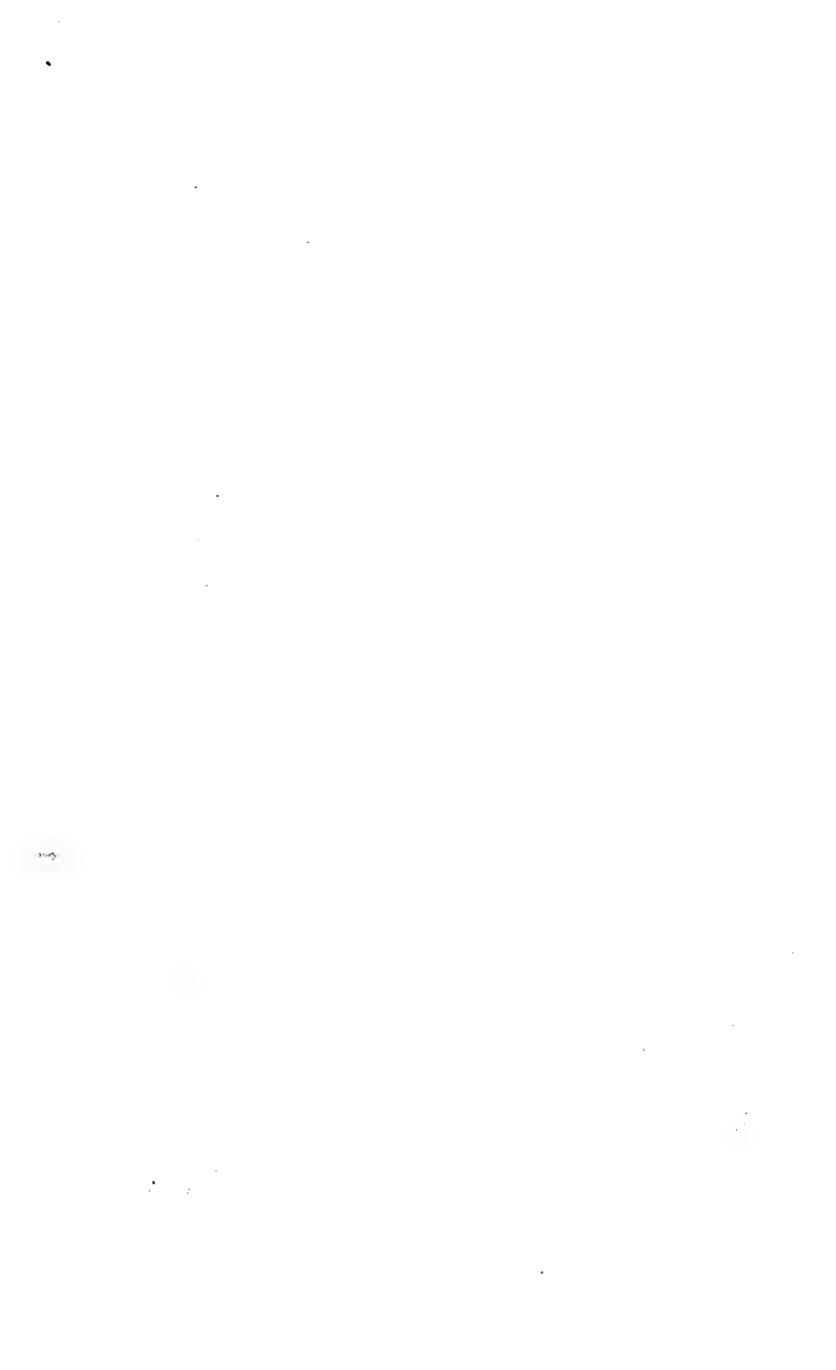
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LOURNAL - GRID DATA

RIBBLE, D.D.

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Hastings Reservation, Monterey Co., Calif. GRID RC-1: Peromysous californious ONLY PLZZIC. LXT. Dusked Graen - assept to be east. 1-Duskel RED Comments C 6 8,12 7,16 6,13 8,13 6,14 6,14 7,16 March 29(An) March 28 Lam) Mench 27 (PM) March 27 (Am) 3 15 5 Scurtal undition sustal pedious Z 2 8 4 8 B St 45 0201 No. 835 1015 1009 1014 P. calibornicus Species

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RIBBLE, D.O. 1987

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Hastings Reservation, Monterey Co., Calif. GRID RC-1 - Misc WHEN WORTHING agged un Pt ear, de dut get Had to bet it go 9 WE 7/7 7/1 March 29(AM) March 28 (Am) 7 210 810 E 4,10 (2,10) FT 7,17 5,13 thre. 5117 March 27 Pm) 5/16 March 24 (Am) Scrofal
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RIBBLE, D.O.

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ZIBBLE, D.O. 1987

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PIBBLE, D.O. 1987

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- LURNAL - GRID DATA (3)

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Hastings Wateral History Roservation, Monterey Co., Calif.

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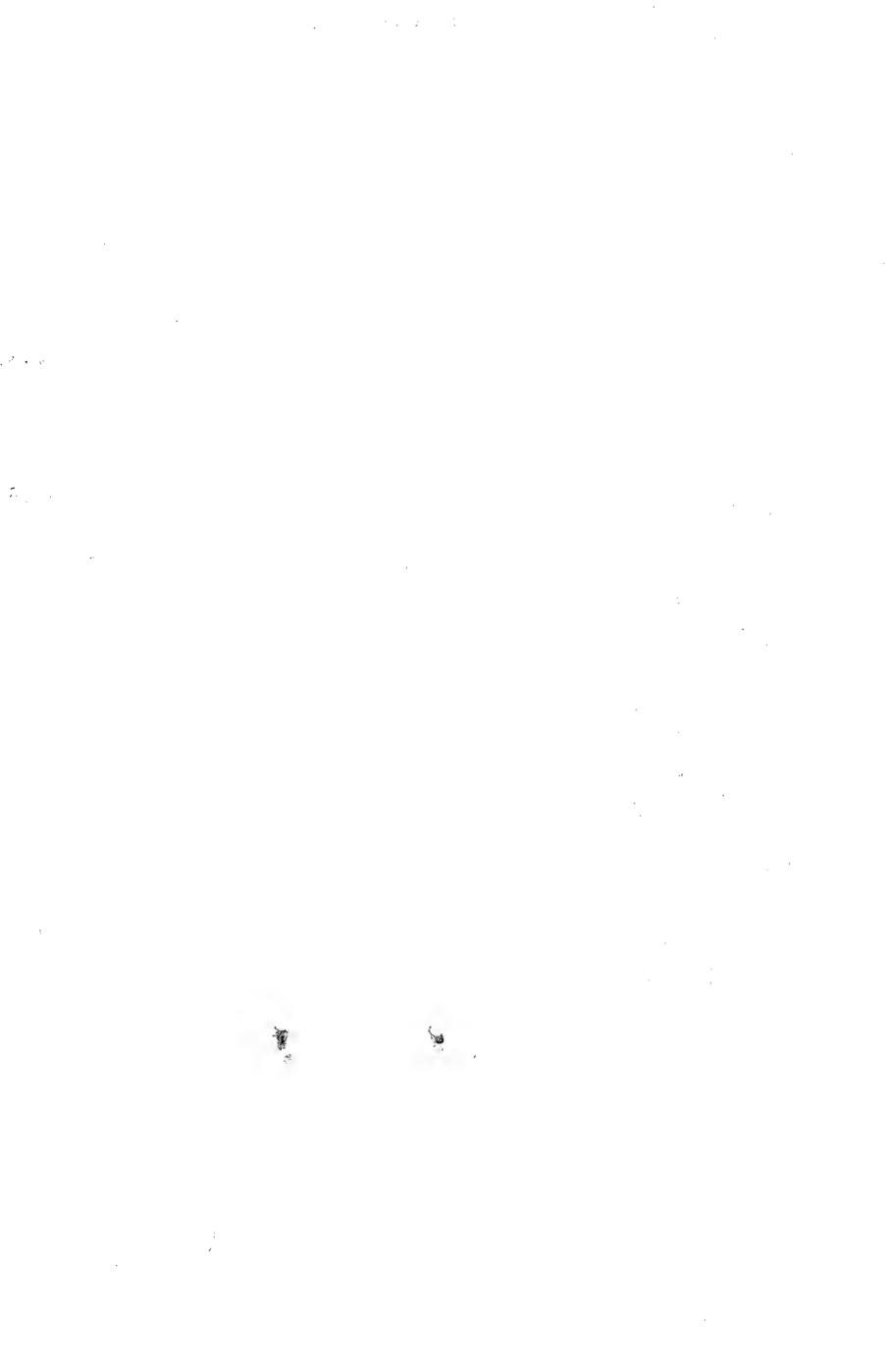
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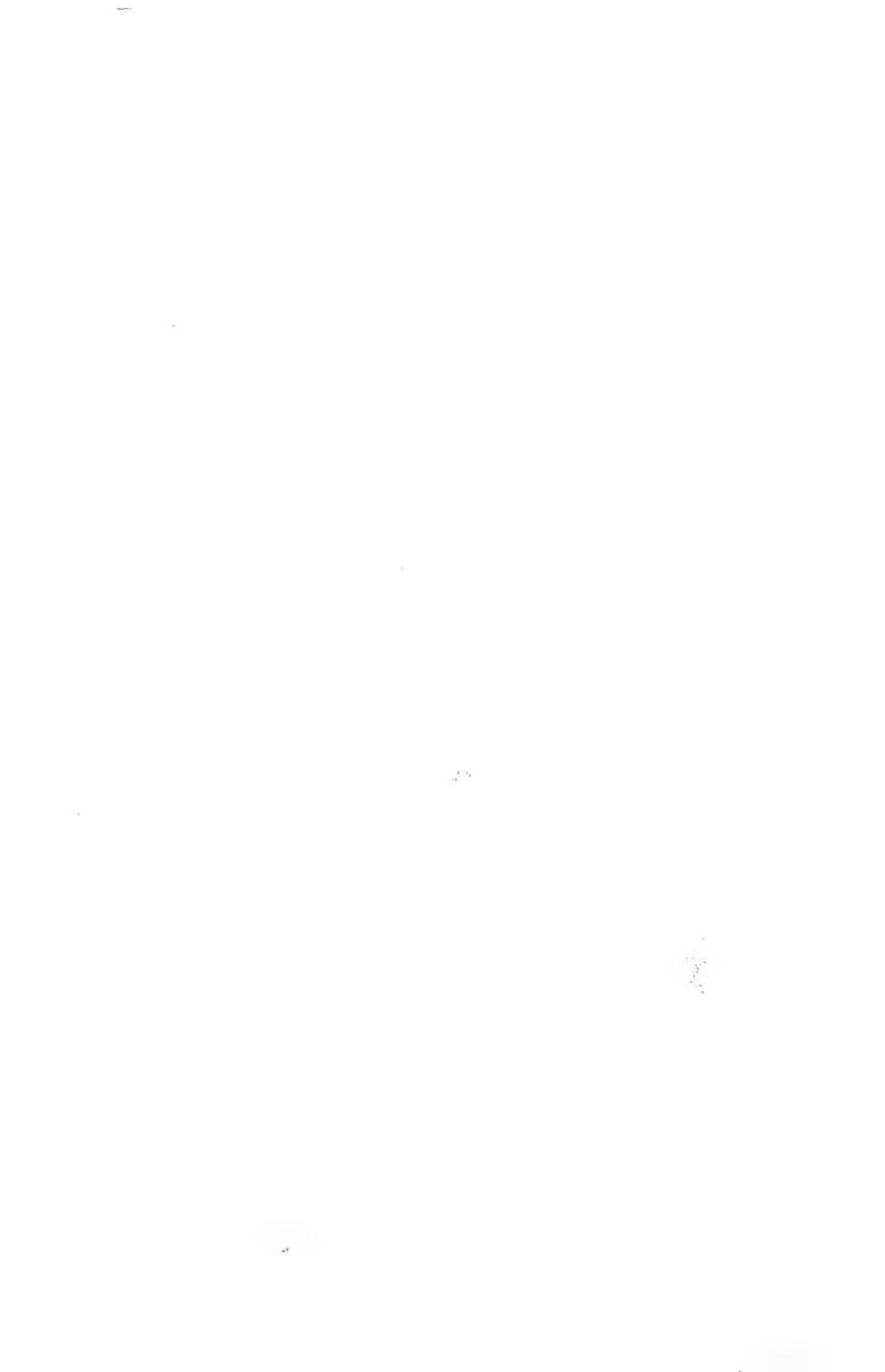
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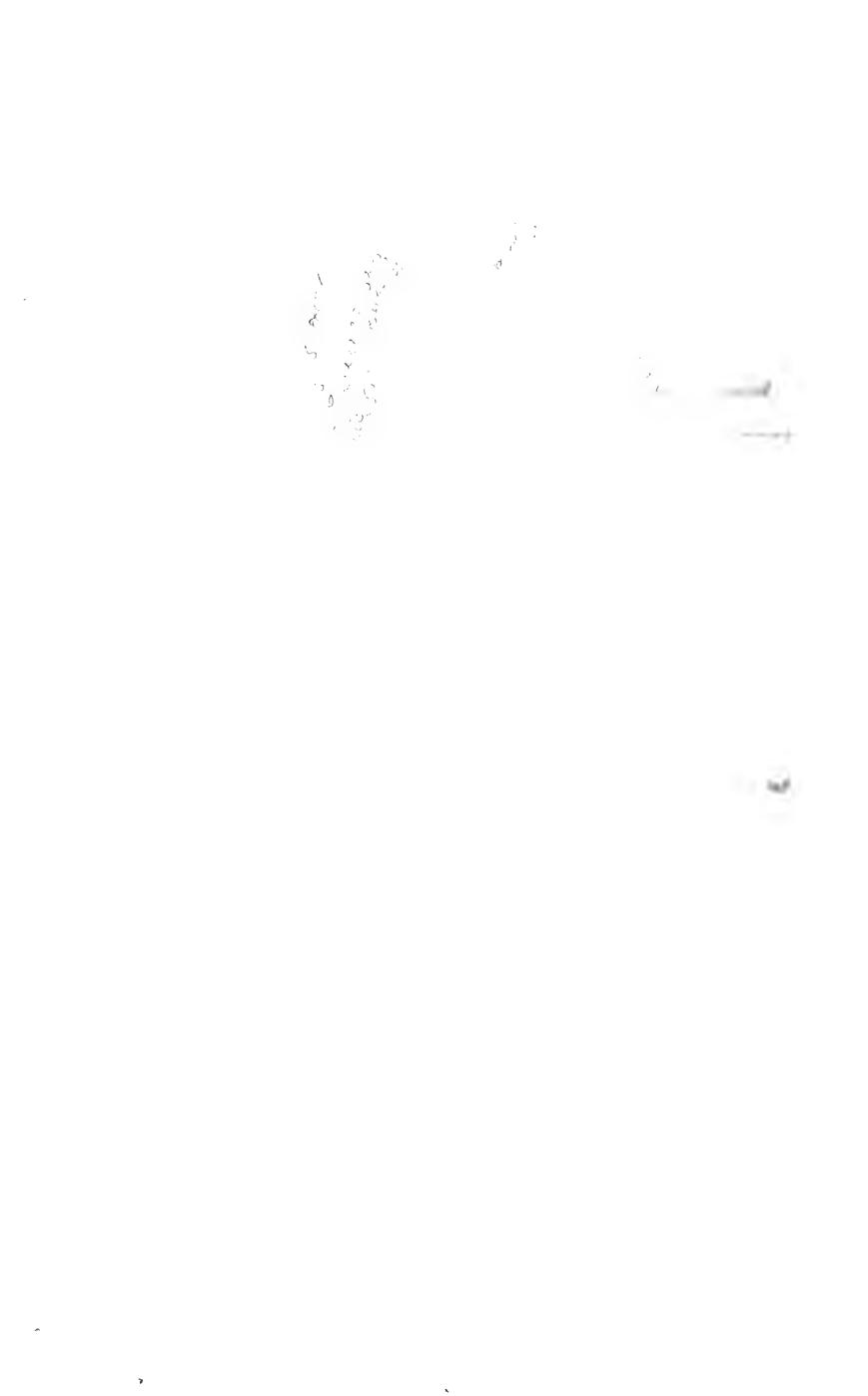
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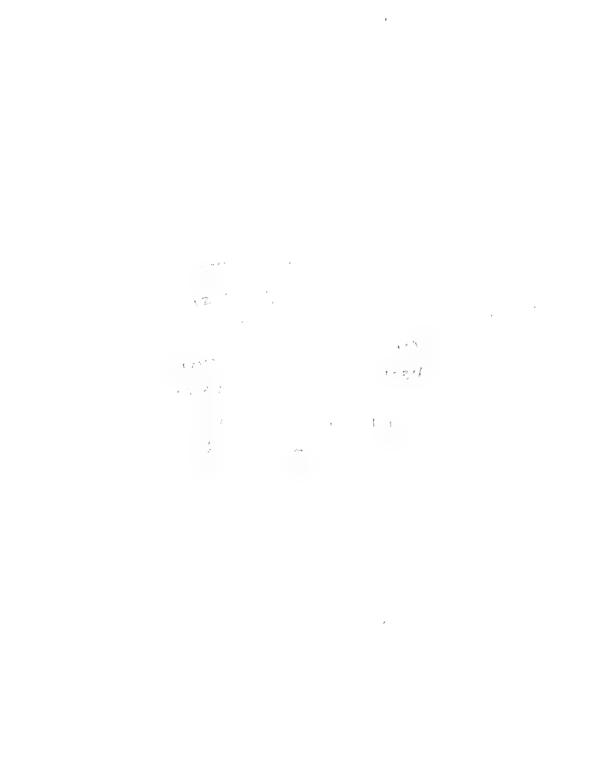
Hosting Natural History Reservation, Monterey Co., Calif.

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	Oct.3	W-13	P-boylii	03020	RE	CAD				X		X	
		E-3	Perranatius	9220	RE	CAP			×.	illa ama diplantina adventumenta adi ilija si filmasta nje	×		
		E-5	R megalotis	New 0240	4	9	lmm	Imp.		*		×.	
		=-7	P. boylii (tuei	02320	23722	(Selection)	12?	Sciotal	×.		X		
	Oct-4	41-5	P. beylii	New 63100	This count	C	F-11111	nullip	×		· ×		
		1.0-1.3	P. truei	New 0400	24.5	1 -	lake Suk	lactitues peit		/	X	lactifue	ains à
		E-!	Peragnathus	0230		þ			X		X	around fonce or	4
		E-7	P-604!ii	02320	Mer	ALITY (Cat #	Scrotal 787		X		Mortaletz	7
	Oct 5.	W-3	P-boylii	03000	24.5	4	M	Castatus	X			such box	ahs
		E-1	Perognathus	0220	REC	P				X		X	
	Oct 6	NOTE	ING CADRIES										
	Oct 7	E-1	Penguathus	0220	RECA				\times		><		
	Oct8	Noth	ing Captured										
		Ea	p Traps	glosed,	opelu	us a	osed				•		



Hastings Wateral History Reservation, Monterey Co, Calif.

DRIFT FENCE DATA: GRIDML-1 Trap Station CAUGHT DECEASED Age No. Species Wt. Sex Bid out 110 BUT Nothing Oct.14 Tail cut Short, and y 20 mm long New IMP. Oct. 15 W-I Sub 0240 7 Perograthus X Nullip X 20 lactatung W P. boylii Wg X X 28 03020 nullip Peroxuathus 9 Sub X X 0220 21 Mortality California 31(?) Oct. 16 W-7 Peranathus NOZART X 0220 X Lactatus X Oct. 17 W-9 X P. boylii RELAP 03020 W-13 Peroguathus RECAP X 20 X 0240 Peroquathus RESAP E-1 X 0220 X New early ND P. boylii 17 K X 03120 SAD Tarantula! X X Oct 18 Took day off-left traps closed nullip, Oct 19 Im W-7 X X P.boylii 1 ung 03130 15.5 0400) Reclipped lactators RECAP W-13 P. Fruce X X From 0400-03400 3400 West arend PECAP X end of Reca Persuathus X 0220 Tred to get E-3 8 M TND Peroquathus X 0110 25 award. New early 11 Scrotal 火 Oct 20 4-11 X P. boylin 22 03/200 RECAP 17/1 Perosua Hus 0110 人 E-1 1d? maybe P. trues New 03140 Playli K Lun K TND Oct 21 #13 W-13 P. truci New 037 Lin 人 16 TWO P. boylii E-7 03200 Traps closed but passage ways left gren



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	Hasto	ings Natural A	rstory	Reservo	fron, 1	Montere	Lo. Cali	1			Photo had a second	
	DRIF	T FENCE DATA	- GRIC	>ML-	1.							
	Station	Species	No.	Wt.	Sex	Age	Bidg.		'.		DUT	
Nov.4	W-5	P-boylii	03100	28	9	M	Parous post-lackle		X		X	
	6-3	Revoguathus	0220	21	8	M	nullip Int		X		X	
- 133 <i>00</i>	E-7	P. boylii	New 03210	lle	87	lm	TWO	X		X		
- /1/1	E-9	P. Californicus	1096	37	87	m	TND	X		V		
Nav.5	W-9	P. boylii	New 03220	24	9	Early	nullip	X		1		waited bach
1. 1. 1. 1.	E-1	Perognathus	0220	RE	CUP			X		x		
, .,	E-7	5. Howbudgii	0300	5				X		K		
	E-7	3. ounatus	040	4	?				X		X	
Nov 6	- 1	lothing Captur	ed -									
Nov7	W-5		Wew 03230	23.5	1959 1951	SAD	TND	X		K		
	W-13	P. boyli	03240	17	9	lum	nullyo		K		K	
	E-7	S. Frowbugii	Pte DZDD	5	?				K		k	
Nov. B	W5	Perograflus	0240	20	9	SAD	nullip		x		×	
	E-3	P. boylii	New 63240	17	9	lum	nullAD	K		×		end of serve
Nov. 9.	W-3	Personather	0240	1 Rec 19.5	AP)	SNO	nullip	X		X		
	W-5		Cat No BOZ	5.5					X		-	Martality
	E-1		0220	REC	AP			x		٤		
1	E-9	P. californicus	1096	36	657	m	TWO	X		×		
Nov 10.	W-5	Perograthus	0240	REC	AP			K		يد		
	W-13	P. boylii	Wew 03310	18	87	SAD	TWD		K		Ł	
	E-7	P. californians	1096	200	CAP				X		X	
Noull	W-1	Pengnathus	N 0310	17	837	Im	TND		K		×	
	W-9	N-fusciples	1972		87	m	TNO	2	*		X	Caugh by trel,



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LOWENAL - DRIFT FENCE DATA

	Haste	ings Rosawat	ion 1	Ponter	ey Co,	Calif	•					
		T FENCE DATA								THE PROPERTY OF THE PROPERTY O		
	St.	Spp.	No	Wt.	, Sex	Ag	Bidg		1	REIN		
Nov.12	W-1	Perognathus	0310	17	057	lun	TND	K		x		
	W-5	Perozua Hus	0240	14.5	9	5AD	nullip		L		K	
	W-13	P. Gonfi	03200	23	87	ul	scrapel	K		K		Wont all the way down to W-5
	E-1	Perognathus	0220	19.5	0	SUD	nully.	K_		K		
	E-3	P. boylii	NEW 03420	17.5	87	late	TNO	K		K		
	E-7	P. truei	New 01120	17	O.	1 cm	TOUD	X		K		hf=24 cau=23 not Poolif. Denis
Nov.13	W-5	Peros nathus	0240	PE	AP				K		بد	
(an)	W-13	P. boylii	03310	19	07	late SAD	Scrotal		K		K	
	W-13	P.boylii	3 200	REC	AP		Scrotal	K		X		
	E-1	Perograthus		REC					K		X	
Nov131pm)	E1	P. baylii	New 3440	18	7	untip	ラ	X		X		
	E3	1. boylii	New 4600		3		TOS	X	/	X		
	E-3	Perguatus	0220	250	#P				X		X	
	W1	P. boylii	New 4010	218	8	80d	1MD	X		X		
	W5	Pergrothus	0240	NB	CAPT				X		X	
34/112 - 12- 3:3	WY	1. mornaletus	010	21	9	5001	mullip	X		X		
U17.79 W-11130	WI3	P. hayli;	03200	NEC	A05				X		X	
A 22 22 12 12 12 12 12 12 12 12 12 12 12	WB	P. boylii	03220	28	9	ad	bille.	X		*	X	
Nov 14(am)	W-5	P. baylii	New 04020	17	9	Valle 1 un	nullip	X		X		
	W-7	P.boylu	4010	12EC	AP				K	,	. K	
NOV 15	W-5	P. boylii	New Bto30	20	9	lun	null	X		X		
	W-5	Peropuolius	040	NEC	PT				X		X	
	W9	1. boyli:	040 W	NEC	P				X		X.	
	WB	(, hoylii	0220				pregnant	X			X	
			1			I .				1		

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JOHENAL-DRIFT FONCE DATA

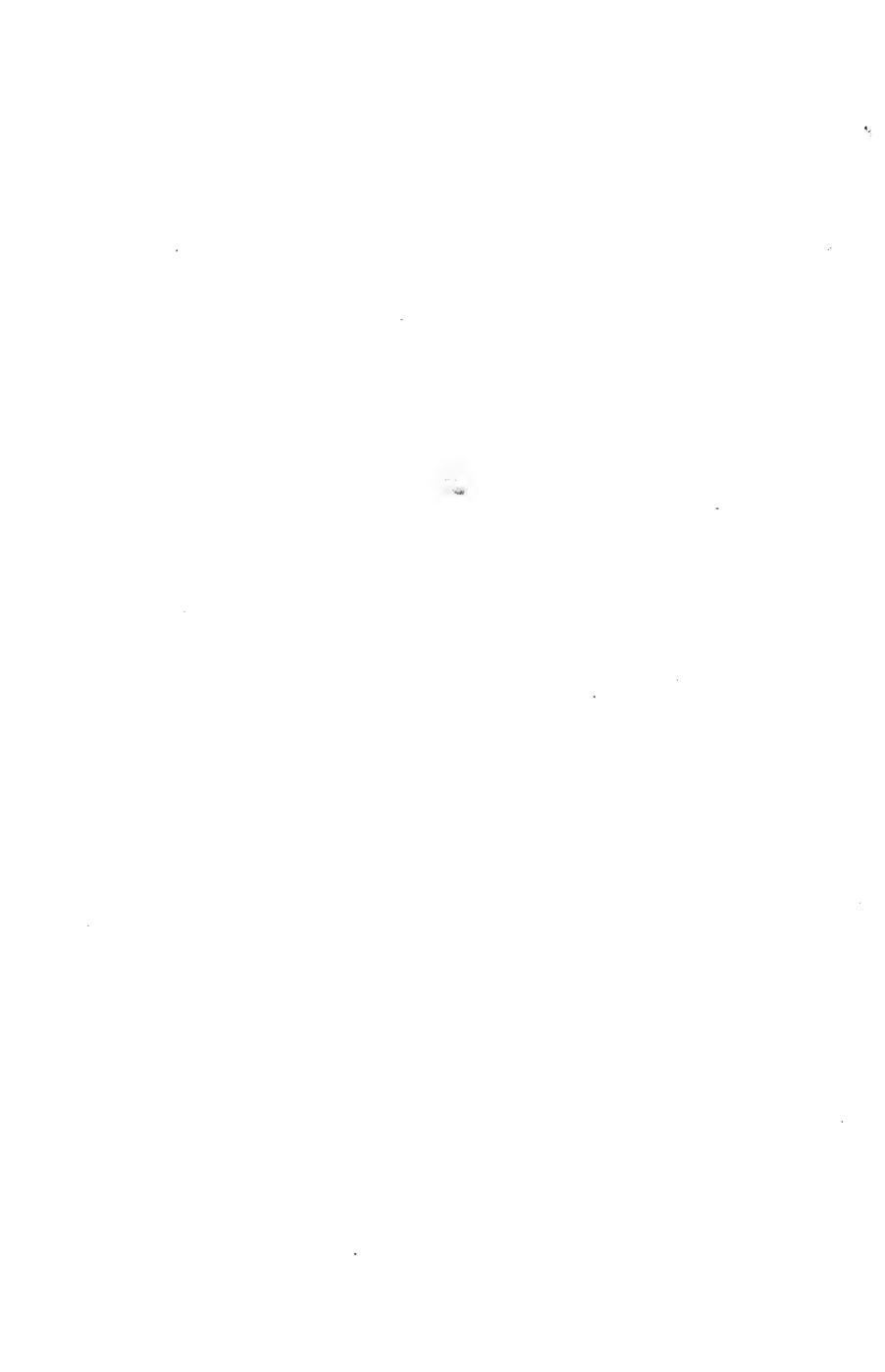
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	DRIFT	FENCE DATA:	GRID W	1C-1		,						
	54.	Spp	No	Wt.	Sex	Ase	Bids	CAU	PUT	1	BUT	
Nov. 16	10-5	Perogratiens	8240	RE	CAP				x		R	
,	W-13	•	Ptc 04020	16	2	early SuB	mellip Reif.	K		K		
Wov. 17	W-5		040	ZE	CAP			X		X		
	4-13	P.boyliii	03240	71	PECAF				K		K	
	W-13	P. Loyli	03220		RECAL	SNO	parf	K		K		
Nov. 18	W-3	Peroznathus	0310			500			K		X	
	W-5	P. boylii	PTC 03000	<i>3</i> 3	9	M	pignant		×	X		
	W-7	P. boylii	Wew 04040	10	9	SAD	Darows		K		K	
	W-9	Perognathus	0240	REC	AP				X		X	
Nov 19	W-1	Perognathy	0310	REC					K		X	West arand lad of hence
	W-9	P. califonicus	New 1102	29	7	1 lle	nullip	K		火		Collected wack
-y+ (15-7)	W-13	Perocuatius Traps closed	0240	REC	AP			X		K	(over-
0400	m	Traps closed	05 Pa	13509	way	s lef	t open					
tiur, et in, i												
.b. 199				\$								
										-		
				ne si separatifi servicio, prima parametro si se un manuro prima servicio del como como con con con con con con con con con co								

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JOURNAL-DRIFT FENCE DATA

	Hasta	ings Reservate	tou, M	Monkey	y Co.,	Calif.	1					
	DIZIF	T FENCE	/ARID	MC								
	5+.	Spp.	No.	W	Sex	Age	Bidg		OUT		OUT	
Nov. 24	W-3	Perognathus	0240	19.5	0+	M	parous		K		K	
Ming- 0320	W-5		0140	260	8	m	TND	K		K		
24/33	W-5	Perognathus	0310	18	051	5AD.	TND		K		K	
1. 01220	W-9	P. boylii	03220	23	4	early M	Castelly	×			X	
	W-13	P. boylii	03240	23	4	SAD	perf.		K		X	See 25 Nov.
	E-1	DI.	New 01210	17	57	/run	TUD	K		Х		won ted back
111-04120	E-3	Perognathus	0220	21	9	M	parous		K		X	
Nov. 25	W-1	Perographus	0310	REC	W.				义		K	end of fine
	W-5	Peroguablus	0240	Rec	AP			X		K		
	W5	P. boylii	03000	27	9+	ш	teats swollers?		K	1		
	W-9	P.boylii	03220	RECK	P		lackship	K			K	
	W-13	J	03240	24	9	510	pregnant		K	K		
	E-1	Perognathus	0220	RECK	P			R		叉		
Nov. 26.	w-1	Perocaathes/0310)	Cat No 1805	lle	857	ш	tND		K		1	Morbalely
	W-5	0	0240	REC	SP			e		e		
	W-13	Poboylii	03 220	230	AP			K		K		
	E-1	P. truci	01210	RECO	10			K		K		went away
	E-3	Peroguathus	0220	REC	4 P				X		X	
	Tra	ps closed s'é	elt 6	loching	par	sagu	245 -		_			
Nov. 29	W-5	P. beylii	0300	27	7	m	loctoting		×	X		
	W-5	Perojustus	0240	13.5	7	m	Imp	X		X		
	W-9	P. boyeli	03200	25.0	8	W	sudal	X		X		
10	E-1	1. Fruei	01210	18.0	3	lote ; mm.	COME		X		X	
	E-3	Perognothus	0220	21.0	9	m	long/for.		X		×	



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	Hast	ings Reservan	ion M	Conten	(Co. (slif.						
		TENCE GO						IN	OVT	- <i>IN</i>	DUT	-
Nov 30		Pergustus	0240		APT				ΙX		IX	
		P. toylii	04030	28	9	sad	preg	X			X	
	W-9	1. boyli	03200	N84	APT			X		X		
	W-B	1. boyai	03220	24	7	m	posterit	X		X		
	E-1	Peroquettus	0220	Ms	CART			Χ		X		
Dec.1	E-3	Perograthus	0220	125	228				K		X	
	E-5	P. boylii	New 04180	57	19	Inn	TWD	K		x		world
Dec 2	W-5	0,	0240	Noz	ART			X		X		
	E-]	Peroputun	0110	NBZ	APT				X		X	
	E-7	P. boyli	New 04/10	20.0	7	8 %	mel	maddin facer film to digin flow	X		X	would go book
	W-7/1	P. byli;	04210	39.0	*	##	78		莱	×		
Dec 3	W-5	Peropuotlus		HAT				X		X		
	W-9	1. baylii	03220		9	God	portlart	X		X		
	E-3	Perguother	0220	l	SEAPT				X		X	
Dec 4	W-5-	Pergrotus	0240	n	EZAP5			X		X		
	E-1	longuothurs	0220	R	BZAPT			X		X		
	~ 7	raps closed.	and e	assage	way	left	bloched	2-	_	_		
Dec 8	W-5	L /) 1	04030	22	8	SAD	nullup	X		K		
mp Herry = 0520	W-9	ıl	03220	23	8	M	perpos contes pura	R		X		
<u> </u>	E-8	Perograthus	0220	22	9	M	porous		X		X	
uce - O Deco	W-5	P. boylii	32000	31.5	0	M	Pregnant	X			X	be natural check
1/11 - 14=3	W-5	Penguathus	0240	20	8	u	mp, nullip (?)		x		K	
p4130	W-9	P.boylii	03240	24	7	m	Post-lachtage		K		X	
	E-1	P.tuei	01210	21.5	87	SAD	TOD	K		x		went orong
	, ,			KELS	0				X		X	
	E-3	Perognothing	0 220	ICOCA	1						1	



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Hasting Reservation, Monterey Co., Calif.

	DRIFT FENCE GIRID MC											
	URI	FT FENCE C	TRID I					CAU	441	77=	-/ EA	1
	St.	SPP	No.	Wt.	Sex	Ag	Bulg		OUT			
Decio	E-1	P. bruei	01210	RECA				X		X		went and
	E-3	Perograthus	0220	DBC	SP				X		X	06
	E-7	P. bajtii	New 04120	21	3	SAD	TWO	X		X		
Decl	W-5		03000	Reca	٥		Locatos		X	×		
	W-5	Perografius	0240	1/				X		X		
	W-9	P. boylii	03220	şl			Draguat 1?	K			Х	
	E-1	Z. maniculatus	Cat No BIZ	15.5	837	m	TND		K			Hew animal
	8-1	Perogratius	0220	PEC	1P			X		K		
	~	Trass close	D & D	a5500	ways	left	blocker					
Dec17	W-5	Peroquathus	0240	20	7	ш	nulles?	K		X		
	E-3	Perografius	0220	20	8	Ш	Sacous	K		K		
Declo	W-9	P. boylii	03220	29	9	U	-	K			K	
	W-13	0	03240	24	9	M	PEST-lactsty		久		K	
	E-1	Perograffin	0220	REC	IP				X		X	
Dec 19	W-5		03000	35	7	Ш	Stegut		e	X		
	W-9	2 1	New 04230	12	037	lun	TWO	1		火		bach
	10-13	P. boylii	03240	REC	CAP				X	-	X	
	E-1	Perognathus	6220 New	RE	AP				K		X	
4	6-11	P. Californieus	1138	29	87	500	TNO	K		x	6	took to lat to
Dec 20	W-1	P. Goylii	04210	15	637	lun	TWO		K		R	
	12-1	P. boy (ii	04030	23.5	7	M	parous, maryly locatalog		K	K		
*	W-5	060	New 04310	10	q	lan	nully		L		K	back footlesse
	W-9	P. boylii	04040	25	7	late 540	marge prez-	K		X		
	W-13	P. boylii	03240	REC					K		K	
9	Caux	t in pitcan o	t w-	zand) relea	sed bo	ch to in	sid				



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LOURNAL-DEIFT FENCE DATA

Hastings Reservation, Monterey Co., Calif.

	DRIFT FENCE GRIDMC											
, i						.1	PA	CAUG	HT		EASE	
Ä	54.	Spo.	No.	Wt.	Sex	Age	Bulg	110	OULT	IN	our	
Dec 20 (out)	E-1	Perograthus	0220	PELA	P				K	-	X	
Deczl	(e)-1	P. boylii	04210	RE	DO	Morroy em altició dela material accionación a misso conscionación.		Proceeding from the Andrews	x		X	
	1 12 34	U	03900	Die,	40		1 actating		K	K		
	W-9	P. boylii				enengle mer til det progress til statten, og blygner skappen skape.	Rugat	X			X	
1.2	W-13	P. boylii	03240	12	ECAP				X	_	X	
	7 7 7 6 3 6 7	//	New 04340			/w	TWD	X		K		
	6-3	Perocuathus	0220	1286	MP				X		K	
	~	Trays close	1 3	nosas	way	left	Dolu		_			
			1. 12.	1 1 1 1 1 1 1				τ* 3				
	Ü											
						w. 6.1.32						
	,											
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									100 Paris 2 100 Paris 100			
			and the second s				mag har ya zi garu masa. Afa nagiliya maga magu nayu nayu, ayan na hagagaya masa na u					
							an alterna aggir agagan in han fing and danna atmagir sana, an myundhigin, assum					
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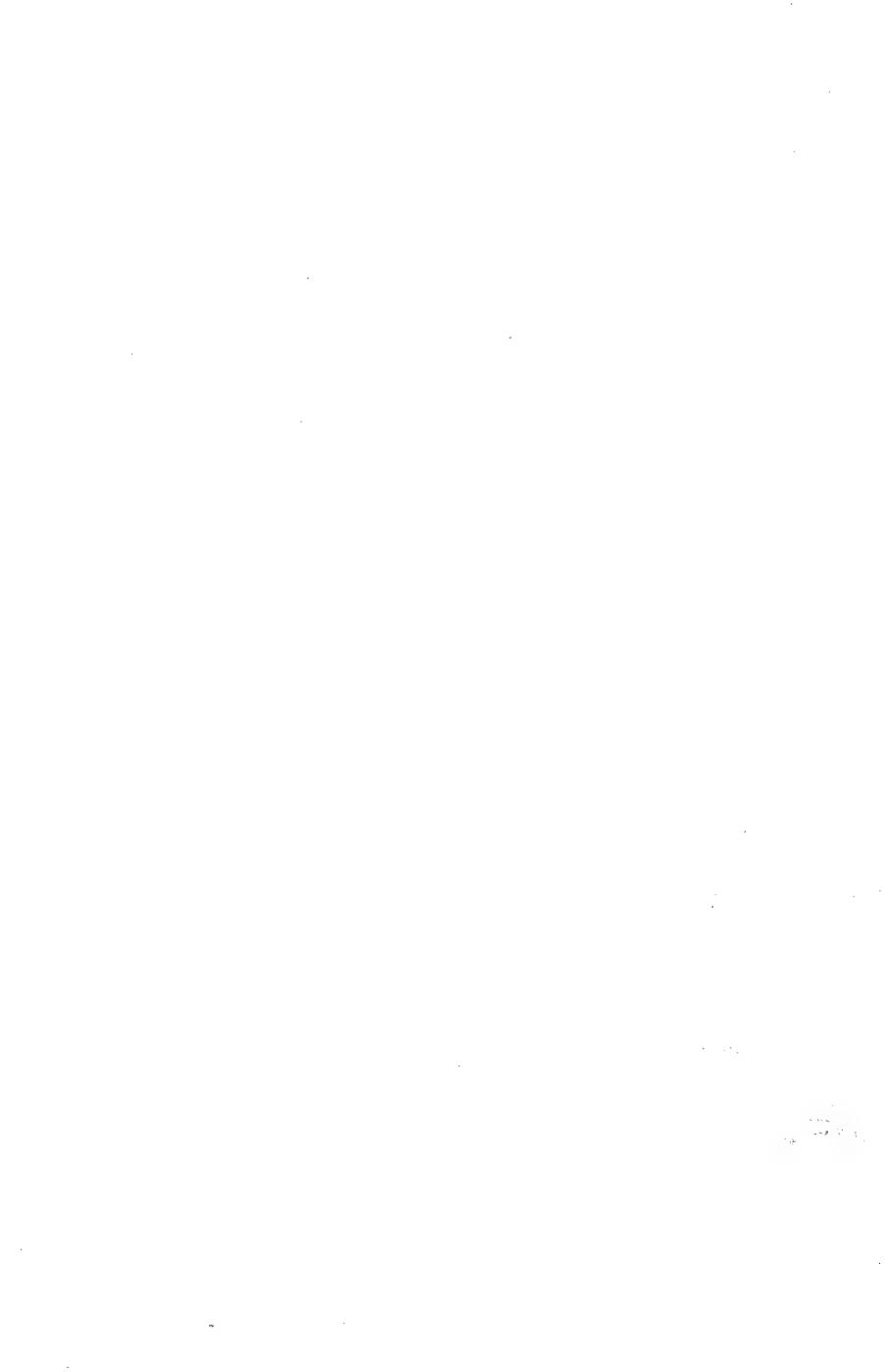
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- GURNAL - DEIFT FENCE DATES

Hastings Roservation, Monderey Co, Calif. DRIFT FENCEDATA - GRIDMC-1 Heips only CAUGHT PELLASED Wt. Sex Age Bridg St. Species No. IN OUT IN OUT M NOVIDIAN W-4 Ensatua X 010 too small to W-4 Batrachoseps mark K. NOV 14 W-4 Batracliospos M X Dears? W-8 M X left under N Noi17 W-10 Ensabua M 1/ 020 Kustus W-10 Taricha K X M 010 ? X M 030 N 040 2 M W-4 Eusatua K K E-10 Eusafra lum K X 0100 E-10 Eusafina M X 0110

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		1/ /		.1/	′ /	1 1	1 . 1						
			ings Reservation		•					er 19am, mit ski dat de			
		54.	Spp.	No	Wt.		1	Brdz	CAU	GHT	RE	CEA	E
14	00.24	~	Vothing -										
6	Jou. 25	E-4	Eusatua	0120		M	?	?		X		X	
1 - 02	Dec9	W-2	Taucha	020		50 M	?	perestra	x		×		
			M Aneides lugubru	010		051	W	?	X		K		caught in trap.
	Dec 19	w-8	Gusafina	030	Rec	apt.	M	?		X		X	
	_		Traps class	ed =	1		s leg	H open					
								No permanental transfer to a laborate regulary super, the					
											a parado fondam quidam a foresament		
				Management of the Assessment o		80 Balanco sidal resonant prilanco su sussesso su ser							
				28-25-5-4-4-1-10-1-25-5-2-4-4-4-1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				E The automorphism in the contract of a transfer of a specific and			Will, 1900 - HORNING - HUNGER AND BOOK		
				paramen sakur allihaki rakdan sarakinan) kari sah									
								en (Marie Mentelle Marie	Page Annual Control of the Control o		Kalana da Malana		hatif Adriffication with an effort flowed by Magifference, a programmy grown stage glob
											Manager at the Total Science		,
	A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1							and after a control of the designed to a 15 th Section and control and accomplished to the section of the secti			gi (ili) i i i i i i i i i i i i i i i i i i	es (distributed as main estimate, sinh	a transference artis di didente con con contra de con
			and agreement, and the second	and the state of t				a, inggeneradi malikipus - mas nerug gip nug ri i diar panunya, yak nerum					
								 Aggres to a company to the control of the control of					
				generalgeng, som die selfertilse selfschaus der Serker er entgewerperente de					n van de keer seedste 1800 van van de 1800 keer				
					enter de l'acceptation le proposition de l'acceptation de								



	Nashn	as Natural H	story,	Reserva.	kon, M	Tonterry	Co., Co	rlif	1			
	DEIFT	FENCE DATA;	GRIL	DRC-1	(101)							
Date	Trap Station	Species	No	w+-	Sex	Age	B-d		icht ping 1 OUT		elecrad Out	
Oct.3	E5	Pergnathus	New 0230	23	7	M	Imp Parous			100	X	Veleandon wrong side
	E-7	R. megalotis	New 0120	8	09	m	NO	K		X		O
11/11: - 9519 0320	E-7	5. troubridge	Ca+# 785	3.2g					X		-	Trap montality,
1	E-9	P. californiam	1015	38	removed to	of town 17	scrotal		K		K	Blood, ear, saliva
-C 013D	W-4	P.boylii	New D3110	12	07	lour	TNO	K		K		tried to cut back on other side
	W-5	Percognathus	New 0240	32	07	m	TWO		K		K	
	W-7	Recognations	0220	28	07	M	TWO		K		K	
0=120	w-9		835	47	7	M	lactating)	χ	X		Since actating returned to same side of fence.
Det3	W-1	P.baylii	Wew 03120	12	8	lum	nullep	K		X		
(Pm)	W-3	Pergiathus	New 0310	25.	OF.	M	TNO		X		X	confused animal
	W-5	Perograther	0220	1200	AL	Communication of American		X		X		
		P. cali formen			pp		2 actions		X	X		Dusted Green
Oct 4 (an)	w-3	P. California	(0120) Ear Dys) 1945	315	3 9	harm	TWO		X		X	See speacet:
	W-3	Perognathus	0310	Roc	ap			X		X		
	W-5	Pergrathus	0220	Tec	apo				X		X	
	10-9	P. Californicus	835	Roca	20		Lactatura		X	X		Redusked Grean
	E-5	P. cali fornew	1944	Roce				X		X		doing fins
	E-7	5. troubridgei	Cat 788	45	3			X				Modality
Oct 41Pm	W-1	Pergnathus	0310	Roce	0				X		X	
	21-7	Percynathus		Roca	ye.			X		X		
	W-9	P-boylu	New 03130	27	8	M	Scrept	X		X		
Oct 5	w3	7	0310	REU	0			X		X		
	W-7	· Pewapathus	0220	Recop				1	, X		X	`
	EI	P. Loglii	New 03140	13.5	9	I.m.	nully		K		K,	escaped toens of fouce tourselo
	E-7	Peragnathus	0230	Recag				X		X		

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Hasting Roservation, Mondere & Calif.

	NUST	ng Reservation	m, lo	were	W.	Tech.						
		T FENCE DA				(p2)					
	trap Station	Species	No.	Wt	Sey	Age	Brd	CAUC	OUT		EASED QUT	
Oct 5/court)	E-7	Picali fornicus	1944	RECAP			Market State of State		X		X	M. A.
Oct 5 (PM)	E-5	Peragnathus	0230	PELLI					Υ.		X	
	41-5	Perogua thus	0220	Receip				×.		X.		
	10-1	Ferograthus	0310	Recar	י				X		X	
Octle (au)	E-#	Peroquathus	0230	TELAR				X		X		
	J-7	Perognathus	0220	RECAP					×.		X	
	₩-1	Ferograthus	0310	CECA					Х.		X	
Oct 6 (pm)	医-3	Pengacithus	0230	RECAP					٢		K	
	14-4	teragnathus	0220	RECA	P			y.		1/		Went around and
	W-1	Perognatius	0310	ROCAP	all allows a second and a second	ant, das an delumente residendets communicarios est access		Y		1		to opposite side
Oct. Flam).	至-5	Perognatius	0130	Recapt) - 	Tale and value in a second sec	al esserie quantitativa mantenamento de transca con	X	multinh-mortimates oliver, tour ti	X		
	W-!	Peregnathus	0310	RECAF					/.		,′_	
Oct. Blan	E-7	Perguathus	0230	TLECAT:					X		×	
	11-5	Perognathus	New 0340	219	Ç	117	Paras	X		1X		
	W-4	Paragnathus	0220	RECOR		and the state of t	and Allia College and Stanfalous and		X	! 	X	
	w-!	Pergnathus	0310	RECAP				X		X		
Oct 9	E-3	Perognatius.	C230	2545				X		X		/
	E5	P. Manieulalus	01230	17	CT?	11.1	Scurd	١/.		1,"		pto
	W-F		0340	Recap	eorshops,	peptia.			X	-	X	
	w-5	Ensatura es.	1		Red Co. (?)	one d			X	1	X	
	W-4	Perograthus	0220	Recap				X		X.		
	W-1	Per & gnathus	0310	RECAP				X		X		
	- 6	END Traps	clo se	d, of	enn	s cle	sed		-			,
	4	(P.	,			1		4	1		



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	Hashin	igs Natural He	tony ?	Reserva	tion, V	Monterey	Co. Cali	4.			a constitutiva de la constitución de la constitució	
		T FENCE DA		RIDE								
-	Trap Station	Species	No	W+	Sex	Age	Brd	CAM		1 .	CEASEL	
Oct 12(PM)		Perognothon	0230	22.0	9	moture	the same	×		X		
	E-7	Perognothers	New 04/0	31.0	9	woture	preguent	X			X	
	W-7	R. megalotis	DZ30	10.5	3	motive			X		K	
	W-4	Pergnothms	0340	20 g	9	morn	porons	X		X		
	W-3	Thomomy botter	Cat No 790	80g	7	M	mp, Parous	×		-		Killed
	W-1	Persynothus	0220	27	8	mot.	TNI		×		X	
	W-1	Pergnostus	03/0	24.5	8	Mot	TNI	X		X		force boy!
Oct 13(am)	E-5	Pergnatus	0230	RECAP					X		×	
	ES	P. manialtus	2 1230	17	8	mot	TND (cere)	X		X		
	W-5	Perojusturs	0340	NOCAI	7				X		X	
	W-3	Perojushus	03/0	nezasi					X		X	
	W-1	Parognothum	0220	necas	7			X		X		
Oct 13(Pm)	Tra	os not set w	iorda 1	to do E	Padro-	tracke	ng.					
Oct 14(Am)	11		11	11	11 _	11.						
Oct 15 (Am)	11	11 44	11	41	11 -	- 11 .						
Oct 16/4m)	11	16 //	11	11	21 -	- /						
Oct 14(pm)	Esl	P. boylii	Wew 03310	\$ 35g	#4	M	pregnant		X	X		
	E-5	Perognathus	0230	Reca				K		X		
	W-Z	Perognatius	0340	BECA					K		K	
	4-4	R. megalotis	0230	RECA	0			K		X		
	W-3	Perograflus	Wew 0440	75	9	ш	lactating	X			X	Prob.
Oct 17 (AM)	E-5	Perognethus	0230	REL	AP			-	X		K	
	E-5	P. maniculata:	01230	REC	1P			X		X		
	W-9	R. megaldis	New 0300		q	M	pregnant		X	X		
	W-5	Z. megalotis	New 0310	8.5	077	M	TWD	X		×		
	W-4 W-3	Perognathus Perognathus Perognathus	0340	RECK RECK				X		X,	×	lactore
	W-1	Perograthus	0310	RELAP				X		X		Want arend

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	Hard	ing Natural	14.1	Pre.		71/	10.10	1	1.	1		
		0				The Car	weny co.	Ca	14	_		
	Trap Station	FT FENCE [Species	No.	Wt.	Sex	Age	Brdg.	CAUC		ì	EASED	}
Oct 18		1. Day Al -						7.0	Dai		Jui	
Oct 19/an	1E-7	le day off - Peroquethus	0230	REC	ND.			K		K		
	E-7	P. man culatu	01230	15	87	m	TOD	/	X			Montality. Cat # 791
	E-9	N. fuscepes	New 1956	Big	07	ш	TUD		X		X	
	W-9	R. megalotis	0390	RICAP		Tend over the description of the	Driguant ??		X	×		
	W-9	Peroquathus	0340	REC.				X		X		
	W-7	,	New 03320	16	2	Tun	imp.s nullip.		X		X	tread to get back un
	W-4		りてての	20	CAP			X		x		
	W-4		New 03330	17	رس	Inu	TND		X		×	
	W-3	Peroguathus	0310	RECA	D			K		X		
	W-1	Prognaticus	0340	REC	1P			X			nolo	Torpid-put
Oct 20 (as)	E-7	5. How bidgei	Cat# 792	5g	071	M	Breeding		Χ			Mortality
9 " · · · · · ·	E-10	Perographus	0230	RECA	P			X		火	(Escaped to the
oge i i i i	W-9	Parguathus	0340	RELA	P				K		人	
24	W-9	P. boylii	New 03340	28	2	M	lactating	K			X	
02110	W-7	P. boylii	03320	REC	AD			X		X		
	W-7	R. megaloties	0300	RECAP			not-lock		×		X	
	W-5	Perognathus	0330	REL	P				X		X	
	W-4	Perognathus	0240	Reck	P			x		K		
	W-4	Perognathus	0220	RECA	P				K		K	
	W-3	Perognathus	0310	RECA	P			K		K		
	N-1	Perognathus	0440	RECA	P				K		K	
Oct 21	E-7		0410	REC	P			×		X		
	E-9		0.230	RBCI	P				K		K	
	W-9	P. boylii	03330	DEC.	P			X		X		
								[1	1	

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Hastings Natural History Reservation, Monterey Co., Calif.

DRIFT FENCE DAMA: GRIDIZC Caught Beleased going IN OUT IN OUT Trap No. Wt. Age Sex Species Brdg Station Oct 21 (conit) W-5 Pergnathus RECAP K X 0220 W-4 X 0340 11 X W-4 11 0330 X X W-3 0310 X 11 W-3 X X DZ4D 11 11 Escapes to note @ end of fence parous W-1 M 11 0440 post-lache X X All traps closed of passagurays left open



EBBLE, D.O. 1987

LOURNAL - DRIFT FENCE DATA (1)

		tast	ings Natural	History	Boses	vation	Moul	enylo.	ali	<u></u>	. 10 To 10 T		
		DRIF	T FENCE DE	1721: GA	eid Zo	1:1							
		Station	Species	No.	Wt.	Sex	Age	Bid	-	94+ 10UT		Out	
	Nov-3(an)	E-5	P. boylii	New 03400	16	2	lum	imp nullip		义	110	X	
		E-7	P. baylii	NEW 03410	20	57	5u6	close	X		X		
		W-9	P. boylii	02210	24(3)	07	M	Scrotal		义		X	
		W-9	5. trowbridgii	cat # B795	5	87	m	breeding	X				Modelly
		W-5	Microtus	New 0140	398	9	M	perforate, perhaps lactators		X	X		Kats very Swollen
		W-4	P.boylii	03340	35g	4	m	Pregnat	X			X	escaped to back Im wof fence
	Nov 3 (1500hus)	E-3	P.boylii	03480	RECA	P			X	helystyldramina orona.	X		
····	Nov 3 (late Pin)	W-9	P. boylii	DZZID	RECA	P			X		X		
		W-4	Stroubudgie	0340	5.5	81?			X		X		
	•	W-3	Pealibourious	New 1970	34	87	ш	TWD(close)	X		X		watched trave to every in
,		W-1	Perognathus	2440	26	9	M	Parous		X		X	
	Nov4 (an)	E-3	P. boylii	04030 030	19.5	9	Early	nullip	X		X		
		€-3	11 11	New 04040		87	SAD	TND		X		X	tack across
		E-9	Pergnathy	0230	22	9	M	parous	X		1		
		W9	Microtus	ptc DIDD	59	87	m	TWD	x		x		
		Wa	S. trowbudgi	New 0480	5	3				X		×	
	1	W-4	P. califoricus	1970	BECK	P				x		X	Blood, ear, Salva Collata
		W-3	5. latianus	Cat No.	64	37	M	breeding	X				Kelled sero wherfering.
		W-1	Perognathus	0440		(didn't anim	ar)	ECAP	X		X		
	Nov4(Pm)	E-5	P. boylin	04030	RE	CAP				X		K	
		E-10	Perognathus	0230	122	ECHP				义		X	Went awas
		W-4	P-boylii	03340	REC	AP		Proguat	X			X	
		W-3	Peroguathus	0440	RE	SP			X		X		
	NOV S(an)	E-7		Cut the	5	.7			X		-		Montalety in Pit fall
		E-7	Perognathing	8230	22	IZE,	CAP			X		X	



that what all the

	Hask	ings Wateras	Hesto	ny Ko	servatro	n, Ma	Levy Co.	Car	lif.	1		
		T FENCE DATA		ZC-1								
	Station		No.	Wt.	Sex	Ag	Bidg	Caus	1		OUT	
Nov 5 for cont) w-7	Perognations	0340	Should	l have a	weighed,	etc.	X		x		
	w-3	Perograthus	D44D	CEC	AP			X		x		
Nov Co Can)	E-A	Perograthus	0230	Rec	ap			K		X		
	W-9	R.megalotis	New 0330	10	07	M	TNO	X		X		wanted back.
	W-4	P. Coylii	03340	REC	AP	and the second s	Pregnat	X			تهاكم.	
	W-3	Perogratius	0220	27	000	w	TWO		x		X	
	W-1	Perograffun	0440	Te	AP			X		X		
Nov. Ham)	E-5	Perograftia	0230	PE	CAP				K		X	
	4-9	S. latimanus	Cat. no.	77.5	07	M	breeding		X			sacrificed,
	4-7	R. megalotis	0330	RECA	P			K		K		
	W-7	n /1	0230	12	87	M	TNO		K		K	
	W-4	Derograthus	0240	31	5	m	TWD	X		X		
	W-3	Peroguathors	0220	Reca	<i>p</i>			X		X		,
	W-3	Perograthus	0440	Recay	p				X		×	
Nov Blan)	E-9	Perognathus	0230	Rock	P			X		X		
	W-9	Perognathus	0340	RECAL	9 8	ш	mp	R		x	Marie Anna ann an Angairean an Angaire	, '
	W-9	P. boylic	Ptc. 02210	24.5	08	M	scrotal		K		×	
	W-4	P. boylii	02340		8	m	Pregnat	X			火	
	W-4	Perognations	0220	RE	CAP			墨	X	2	X	
	W-3	Peregasthus	0440	REC	AP			X		X		
	W-1	Perognathus	0240	REC	1P			K		K		
Nov 9 (an)	E-3	Pergnathus	0410	26	\$	M	Parous	K		K		
	E-7	Resognathus	0230	RE	CAP			X		X		
	w-1	Penguallus	0440	Re con		M	panas	*		×		
	W-3	Perognathu	0240	CEC	P				K		K	
		•										

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Hasting Rosewation Moule of Colif

	Haste	ings Kosarvatro	n, Mor	ukeny	o., lai	lif!					errotrona * atolistanos	
	DZIFI	TENCE DA	TA G	1210 i	ec-1.			4				
	St.	Species			Sex	18	Brok				CEAS	
Nov. 9lan-con	+) W-4			Toras		m	lactating	X			X	
	47				AP			K		X	we are good an increased	Name of the second
	W-9	Perogratius							X		X	
	W-11	P. magalofis	0230	RE	CAP	Parane campo cho com sale copia de pripa e com		K		x		Caughtru
	10-11	R. Magalotis	0300	RECA	9 4	ш	Parros	X		X		Jame trap
Nov 10 lan)	E-5	Perognathus	0410	EE	AP				x		×	
•	E-7	Peragrathus	0230	Es	PUP	Auditoria de compositorio de la compositori della compositorio della compositorio della compositorio della c			×		X	
	E-10	P. boylii	New 0420U	17	9	lum	vullip		K		X	
	W-9	Deroznablem	8340	REC	AP		Fig. is had been found from a surface following and a fig. for hand of special con-	K		K		
	W-4	P. boylii	03340	Rece	P		lochatz	1			K	
		Peroznathus	0220	REC	(P	andre s. yes on across some states, state products they as	and the state of t		X		X	
	W-3	Perognathus	0240	ZECA				K		K		
	W-1	Persynathus	0440	RECK	P				K		K	
Nov 116) w-1	Perograflus	0440	BECA	P	and record form a law and an arrangement of the second			×		X	
20	W-4	Perognathus	0220	PELA	P			K		K		
- M - 61130	W-4	R. megalotis	New 0340	9.5	077	ш	scrotal		K		K.	bach
1:01:1	W-7	Peroguathus	0240	RELA				X		K		
11/22 04:00	W-7		0330	RECA	P				K		K	
i i	W-9	Perograthus	0340	RECAP	M	MACIT	4	X				Topid - pot
	W-11	P. boylii	Wew 04210	28	7	W	lacting	X			K	tail shortened
	E-3	Perograthus	0410	REGA	P			K		K		
	E-10	Persona Imo	0230	REG	AP			K.		K		

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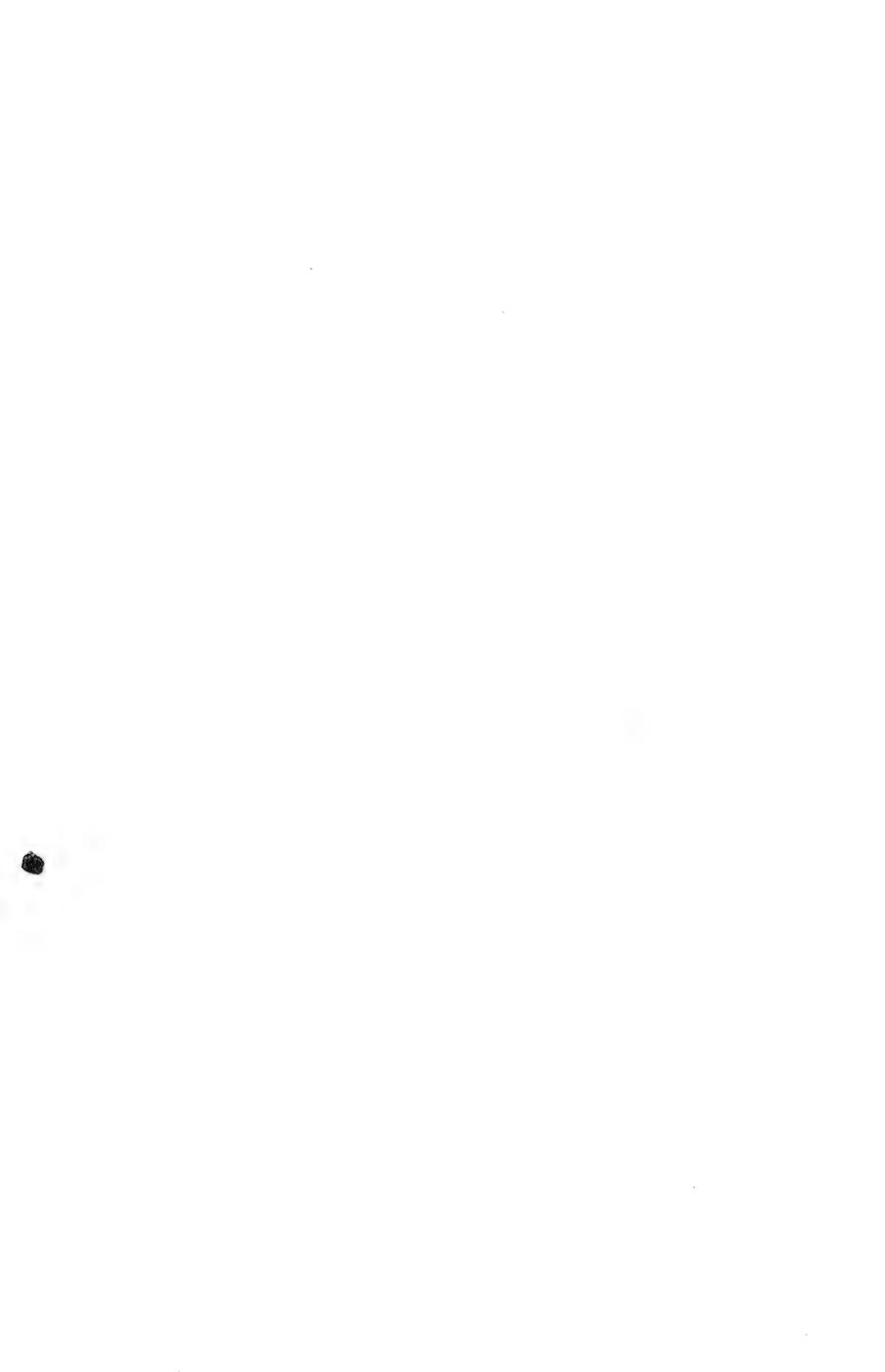
Hastines	Roservation	Monterex	Co.	Calif.
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	Hasti	es Roservation	Mou	keef (	o. Ca	lif.			***************************************	androgljik konsilje († 1854 s kolis gar pr		
	DRIFT	FELCE DATA	: GRID	PC-	1.				Mg pungangan nyaman ana	ng nati a spinne og neg neemen		
	St.	Spp.	No.	Wt.	Sex	Age	Brdg	CAU	GHT		ELSE	
Nov. 12	E-7	Perognathus	0230	20.5	9	m	Parous	K		K		
	E-7	Perognathus	0410	24	9	m	nullipl?)		K		K	,
	E-10	P. californicus	New 1975	25	2	lun	nullip		K		X	tissues collected
04330	W-9	Playlin	03340	26	P	M	lachafus	K			K	
· /	W-7	R. megalotis	0230	11	877	m	NO	K		K		
30	W-4	Perognathus	0240	32	037	m	TND		K		K	
19	W-1	Perogusthus	0440	25	2	ul	Parous		K		K	Dusted oresi
Nov.13	E-5	P. californicus	1931	44	8	M	Jactating		K	X		Dusted Ok and
	E-5	Peranathus	D410 NEW	26	8	w	nulipuoud?	IX		X		
	E-7	Perogna flux	01100	25	27	ш	NO		K		X	
	E-7	Perognathus		REC	AP			K		名		Torpid, deed. Game to 163 student.
	E-9	P. Californicus	WEW 1977	27	87	510	TUD.	K		X		tissues Collected
	W-11	P. boylin	04210 ptc	27	9	ш	lactating	X	-RZ		X	
	W-11	R. wesplotes	0300	11	\$	m	Deef. prognat (?)		K		K	
	w-7	Perograthus	0220	26	037	M	NO		K		K	
	W-4	P. boglii	03340	Recal	P		lactating	K			K	
	W-3	Perognathus	0440	RECK	P				K		K	
	W-3	Pengrathus	0240	REC.	AP			K		K		
Nov 14	W1	Peroguethrus	10240	1621	107				X		X	
	W3	P. alof romm	1927	42	9	n	lastering		×	X		Tissue seollections bled in fuld. Dusted whood
	W3	Persprothers	0440	URS				X		X		Powder
	W4	1. boylii	05340	W(1	SUL		lestating	X		X		
	W5	Pergn Min	0220	MU				X		X		,
	WM	M. celofornas	0140	1 0	-	perf			X		X	
	E-3	Rerognatius	0230	Noch	17				X		X	
	1		1		1		I		i .	1		,

	Hastings Reservation, Monterey Co., Calif.												
<b>4</b>	DRIF	T FENCE DATA:	GRID	DC+									
	st.	Species	NO	WH	**	Age	Bidg	CAU			EASES OUT		
Nov 14 Cont	E-5	Nestoma	1978		8	m	TND	X		X			
	E-7	Pergnothus	0410	REC	1P				X		X		
	W-7	5. latimanus			87	m	TND	K				Killed's Given to 163 Student	
 Wow 15	W1	Pergustus	0240	NOZA	P			X		X			
	W-1	Peroguotus	0440	noza					K		X		
	W-3	R. mepolotis	0310	109	8 NOTA	De m	TND	X		X			
	W-4	P. boylii	03340	Ro	CAPT		lacksboy	X			X		
	W-4	Perognothers	0330	n	- CAP				X		X		
	W-5	Repognotum	0220	No	2005			X		X			
	W-11	R. megabbis	0300	no	ZAPT				X		X		
	W-11	P. boylii	04210	re	6000T		lactoty	X			X		
	6-7	Pergustus	0230	ne	COPT				X		X		
	E 9	Nestone	1978	N	CAPT				X		X		
NOV15(AM)	W-1	Perogustius	0440	REC	(P				2		K		
	W-4	P. boylii	03340	RECA	P		lactating	K			x		
	E-7	Perograthus	0Z30	RECA	P				K		K		
Nov lle lan)	W-3	Perognathus	0440	RECA	p			X		K			
	W-11	Z. mo galoris	0230	750	SP				X		K	¿ constit in	
	W-11	Z. megalotro	New 0400	8.5	9	SAD	nulle		K		N	Same	
	W-7	E. meslokis	0330	Reca	P			K		K			
	W-5	Perguathus	0240	REC	AP				K		x		
	W-4	P. boylii	03340	27	7	M	Post-lactory	X			X		
	E-9	N. fusopes	1978	RE	CAP			K		K			
Nov 16 LAM)	EF	P. boylii	New 04320	19	62	tun	TND		K		X		
					THE RESERVE TO THE PARTY OF THE	The street of th		-			Partie Mariana		
						1		1					

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	1.	T FENCE DA				alif.				vin or an modifie vin earn energener de	PAR APP sees make in the Standard way.	
		The state of the s						CAU	GHT	REL	EASE	5
	St.	SAP.	No	W+	Sex	Age	Bidg			IN		
Nov 1 Ha	)E9	N. Fuscipes	1979					x	Performance of the Performance o	K		
	W-9	Microfus	New 0230	54	2	ш	perf., parm pregnant?	X			X	
/:. //=jm/r	W-5	12. mecalotis	0530	128	WP .		" "		K		K	
- 11 10 - 11 10	W-4	P.boylii	NOW 04340	19	7	lan	nullip	K		K	,	
1. 1. 1D. 20	W-3	Persysthus 01	044 <del>0</del>	RECA	$\varphi$			K		4		
, 17	W-1	Perosuether	0440	RB				K		K		me + soul
1007-1 )	W-1	Z.wogobis	040	11.5	0	M	Ecotal		K		X	end, back in.
Nov 18	E2		1978						X		K	
	W-9		02210	25	d	M	Scrotal		K		K	
<u></u>		Pengrathus	0240 alew						K		X	Tissues Collection
	W-4		1983	3/	07	SAD	TNO	K		X		T (SALE) (BO)
	W-1	Peroguathers	0440 New					2		X		
Nov 19	E-3		04400	15	9	Com.	nullip		K		义	eye Aus.
	W-9		1983	32	57	SAD	TUD	X		X		
	W-3		0440	REC	AP			X		X		
	WI		0240	1	1	11			K		K	
	20/	aps closed	5 (	loows	ys le	27 T C	pen	_				
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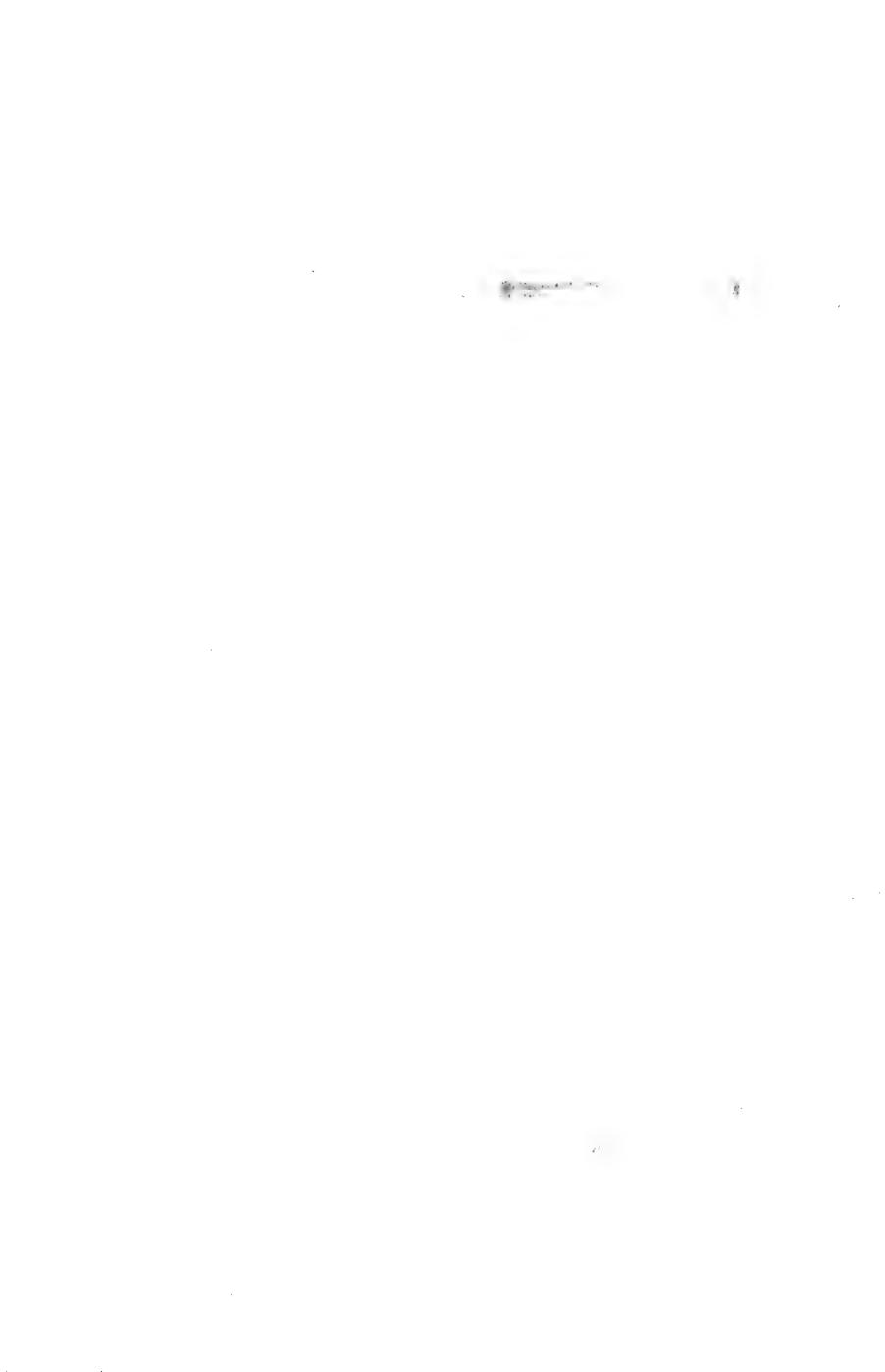
	Hastings	Reservation.	Montere	6	Calif
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	Has	rigo Keserval	ron M	onkerg	do, c	alit	eril erekkilik bilan deren beser dari deren erekkilik bilan deren beser beser beser beser beser beser beser bes	FR. 48A 1-8F4 (press Act. )	territo de una secución con	il di salam Sankan Spill Silah A <u>h Spill Spill</u> Spill Silah S			
	DRIF	DRIFT FENCE GRIDRC											
	54.	5pp.	No.	Wt.	Sex	18	Rods		OUT	1	EASE		
Nov. 24	E-5		New 04420	16	037	lun	TWO	K		K	041		
040	E-7	Penznathus	6230	22	9	ul	parous		K		X		
100 - 7:11D	E-9	N. buscaps.	1978			M		K		K			
- 143.0 L	W-11	P. Coyii	Nas 04440	18	037	lan	TNO	K		K		wantedbach	
01900	W-9	R. no-globs	0330	8	87	ш	TND	K		人			
- ' D	6-7	Peroguathus	0240	30	857	M	TOD	K		K			
Milar 0340	41-7	R. megalotis	0310	10	037	Щ	TND (dos)		K		K		
l	W-5	P.banlii	New 010	15	37	Im	TOD	K		K			
	W-4.	P. calibonias	1983	30	877	ш	TOD	K		K		Torped, putic Dochet	
	W-4	Microfes	0300	24	2	SAD	nullip		K		K		
ν	W-3	P-boylii	New 020	14	4	lun	undly	AMERICAN SURVIVORS	K		K		
	W-1	Peros uthus	0440	24	9	M	pains		K		K		
	W-1	P. boylii	030	21	4	Carry	nullip	K		K			
Wov. 25	E-7	S. trowbudzi	Cat No BOY	528				X				Mortality	
	E-9	N. frescepes	1978		AP.			X		K			
	W-7	D. boylii	04010	16	87	lun	TWO	K		K			
	20-4	P.maniculatus	New 0320	22	9	M	parous	K		K			
	W-4	Microtas	New 0420	27	37	SAO	TND.		1		X		
	W-3	Peroguathus	0440	RECK	P				K		K	,	
	W-1	P.calibonicus	1983	REC	AP			火		X		und of feed	
	20-1	Perognather	0240	REC	MP				K		K	, ,	
Nov. 26	6-1	P. Coylii	03490	RE	MP				X		2		
	E-7	//	0230	28C	AP				X	×		velaged on	
	E-9	W. Luscipes	100					K		K			
		P. manicularus		15.5	2	m	Pregnant	X			K		
			5 00					ATC					

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Lastins	Reservation	Monderer	6.	Calif.
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	Lastu	& Keservatio	u, Mor	very (	0.	elif.					Names States - Parking and an	
	DZIF	T FENCE R	C					A				
	54.	SPP.	No.	at	Sex	Dz	Bids				PASE	
Nov. Zb (coit).	w-9		1967	,27	03?	510	WD		K		K	
	W9	5. Catemanus	Catilo	71						Adjustment and renderson-		caught with
	W7	R-megalotis	0230	REL	AP			K		K		
	6-5	^	0330	MEC	H				2		K	
	10-4	P. califoricus.	1983	REC	P	Marcal State College Company (Marcal Advance Advance College)		x		X		
	W-4	P. boulii	ptc 04140	20	87	Early 5AD	TND		K		K	
	W-3	R-wegalous	0410	RE	"AP				x		K	ACT OF STREET
	W-3	Ruscaloris	New 0420	15	2	W.	progrant	X		Anijosamorus nya rumosy	×	
	W-3	5. laturanus	806	708	dama	na to Sa	e & TOO reff Skyll Spirt opp	-				manglodin
	64	Perognather	240	R	ECAP	and the second s		٤		X		
	W-1	Pergnathus	0440	RE	CAP				X		X	
	_	traps close	1 1	left.	blochi	& Da	ssages					
Nav 29	E-1	P. boylii	03400	24-0	9	8001	imp/mll		X		X	
	E-5	M'u. chifornius	0100	49.0	9	m	lockby		X	X		
2	E-7	Microtus	0240	20.0	9	ium	mel	X		X		
	E-10	lenguatus	0230	24.0	争	m	implan		X		X	
	W-11	R. megabtus	0330	16.0	9	m	pegnont	X			X	
	W-5	2. mepoletins	10430	7.0	8	m	TND	1000	X		X	sor on belly
	W-4	Memotins	0420	25.0	3	Rod	TND		X		X	
	W-4	P. monialotus	0320	21.0	9	Pm	imp perf	X		X		
	W-3	P. Coluforni Cry	1983	32.5	ê	m	TND		X		X	
	W-1	Pergnothmo	0440	23.0	9	m	imp/	X		X		
NOV 30	E-7	longustum	0230	n	FLART				X		X	
	W-7	R. megolotus	0230	11.5	3	m	TD		X		X	
	W-7	1. vielo Etm	New 0440	10.0	9	ш	pot-bet.	X		X		
		•										



Hastings Reservation, Monkey Co., Calif.

		DIZIFT FERRE: GRID EC												
		T PERCE : GE	10 20					CAUB	aHT	REL	EASE	-		
	4.	Spp.	No.	Wt.	Sey	Az	Brdg		DUT	IN	our			
Nav.30	W-7	R. meglotus	0330	9.0	8	m	TAD	X	,	X		Causht in		
	W-4	Nicrotus	0420	nec	APT				X		X			
	w_4	P. mouicultus	0320	No	CAPT			X		X				
	W-3	Pergratus	0220	28	S	ш	TWI		X		X			
	W_1	Pergustus	0440	Noc	APT			X		X				
Decl	E-1	P. boyling	0110	17	3'	imm	TWO	Name addrés as re-rain rain su	X		K	*		
	W-5	R. wegolsten	0440	NECE	HT.		AA-COMPA-CO-4-a-man makabba-ro-sid-na s-1-A-sidada (Suuros), rossassa -		X		X			
	wy	Nurotis	0420	The state of the s	ArT		Annual the World Common Common At A State and Common Act and Common Comm		X		X			
	Wy	1. moniadota	036	THE	CAPT			X		X				
	W-1	Pergnotlus	0440		CAFA				X	gger mannenskaratenskaraden ser	Y			
	W-A	Perognollus	0240	no	CAPT			X		X				
Dee 1 (pur)	W-7	Perguotius	0440	26	CART			X	And all the sections	X		*		
, /	W-3	Peropustus	0220	No	107				X		X			
Dec 2	W-11		04210	39.0	+	in	prof		X	X				
	W-9	Palformers	1983	33	5	lote	000	X		X		*		
	W-7	R. wegolotus	0430	MEZA	PT				X		X			
	W-7	R. mydetry	0230		8	NOTAP	5	X		X				
	W_7	R. megobins	New 01000	4.5	#9	Mun		X		X				
	W-4	P. mouvulots		no	CAPT			X		X		was make his layar discharacion and a second a second and		
	W-3	Persputus	0220	No	CAPT				X		X			
	W-1	Pergnoslus	0440	No	CAPT		,		X		X			
Dec 3	モチ	moration	0100	47.0	9	w	perf		X		X	enope hate untreased funce		
	EG	Perograthers	0230	N	RAON		managan and an arrangan and an arrangan and an arrangan and arrangan arrangan and arrangan arr		X		X			
	W-NA	R. megdotus	0330		9	W	UBZART		X		X			
	W-9	Therests	130	63.0	3				X		X	to Biglieh		

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	Lleste	ings Roservation	, Mon	beur A	alif	1						
		TENCE: GE						A	i t in admids quid impercept	er kara kultu-artikus -artikulari ruk	ne dite et dans Late Late de communicación de communicaci	
	St.	SPP	No	Wt.	Sex	Ay	Bids	CAU	out Out		DUT	
Dee 3 Conit	W-4	Sotex	809	6.2	3	m	breeding		X			
		0 11	0220	RBC	497				X		X	
	W-1	Pergnothis	0440	nea	PJ				X		X	_
Dec4	W1	Peropublin	0440	Reca	P			X		X		
11-0130	W-1	Peropusturs	0240	RE	1495				X		X	
10-0440	W-3	Perogustus	0220	noz	APS			X		X		
wather - DIO	W-4	P. nouveloting		no	PAPS			X		X		
ance - 0340	W-4	Sorex	6+MO	6.0	877	m	brades	X		麦		mortelity
Magaless - 01010	W.)	R. wegsters	0330	No	CAPIT			X		X		
	W-11	R. wepbtes	0230	ne	am			X		X		
ey - 040	W-11	R. megosta,	0/000	n	CAPO			X		X		
	~ 7	raps closed	and t	eff t	Joching	Pas	sagwar	0:	-			
Dec 8	6-9	P. Goytii	04230	278	2	Pearly	Pagian	-	X		X	
	W-11	n II	0420	33	Q	M	lactating	X			X	
Parameter and the second secon	69	R. megalotis	8330	9	857	m	TWO	X		X		
· ·	W-7	11 11	0230	12 *	87	M	Scrotal	R		X		
***	W4	Microtus	0420	32	31	m	TWO		K		×	
	W-3	2. megalotis	D410	12	87	M	Scrotal	X		8		
	W-3	Peragrathus	0440	25	7	m	parons		K		X	
	w-1	Personaflus	0220	28	87	M	TNP	R		K		
Dec 9	W-Il	P. boylii	04210	REAP	TOBLAG	þ	actor	X	-		K	
	W-9	5. laternanus	Caf No B11	74	0	M	bulding		K	_		rept & killed.
	W-7	R. Mesplotis	0330	RECA	1P			K		x		Go Hing
	w-4	P. moneculatus	0320	21	f	M	rully	K		X		
	W-3	Perograthys Perograthus	0440	260	10			V		X		,
N	W-1	Perognatus	0220			48888888	4	17935	人	1	X	

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JOURNAL - DRIFT FENCE DATA

	Hash	Resura	tion,	Mon.	herey C	D., Cal	if.					
	DRU	-FENCE G	RID Z	C	_					****		The same of the sa
	54.	SPP.	No	wt	Sex	Dy	Bulg		PHT			
DEC.10	EZ	Perognathus	0230	21	2	ш	Derous	K		K		
	8-7	Microtus	0100	51.5	2	m	Paros		K.		K	
	W-11	P. boylii	04210	RECK	P		not	The state of the s	×		×	
	W-9	P. Cali bourieus	New 1123	3z.5	2	SAD	nuly		X		K	Per fund to Oak
	W-7	R. wezglobes	0330	TBC	SP		,	X		&		
	W-5	R. wegalofus	DZ30	REL	AP				K		K	
	W-3	Peroguathus	0440	127	CAD			K		K		2 2 2 2 2
	W-1	Perzuothus	0240					allegiller dieres, souddeliche	X	X		leleased on
Occiotani)	W-1 E-8	Phopathus	0220	40 13.5	871	1 MM	1100	X	K	K		[ Sea Journal DIED in ,
Dec 1)	E-5	Persmate	us 0 230	o RE	CAP				X		X	capturty)
	W-Il	Planfii	04210	1250	ND				K		X	
	W-7	R. uncabfis	0410	11		4	Scrotal	X		×		
111-0130	W-7	Perografhu	0220	"					K		X	
105-0440	W-3	Perografties	0440	11					K		K	
another - 01110	n -	Traps Close		Desse	agur	s left	closed	be	ocla		) -	
10-0340 Dec17	E-10	Perognathus	0230	23	2	M	Darons	K		X		
calotu-01015	10-11	P. boylin	NOW 0130	18.5	077	Early SAB	TWO		e		K	-
24 - 040	W-9	R. nosplotus	P+C 01000	8	9	m?	шр	K		K		
	W-4	Rongalols	0410	12		I while	nardles		X	X		
	W-1	Perograthers	8-140	23	87	m	TND		K		K	
Dec 18	W-1	P. boylii	04210	33	0	m	Progrant,	χX		13	K	
	W-9	P. boylii	0130	RECA	P			x		K		
	W-7	L. megalotis	01600	MBC	OP			K		X		
	W-4	12-megalotis Perograblus	0410	12	8	M	Scrobal		K		K	
	W-3	Perograblus	0440	REC	ND			X		X		
					*	1 . '4			1		į.	



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LOURNAL - DRIFT FENCE DATA

	Haete	ics Reservation	r. Mou	Serevi	10. Ca	lif.						
	DRIFT FENCE GRIDRC											
	St	Spp	No.	Wt	Sex	Ag	Bidg		9HT OUT		BUT	
Dec 19	E9	Perognathus	0230	RECK	P				K		K	
	W-11	Z. megalotis	0340	10.5	057	M	Scroda		K		K	
bon/11-0130 0140	W-12	P. Doyler	04310	ROCA				K			K	
who seem	W-7	R. megalotis	0230	11	837	M	Scrotal	K		X		
	W-4	R.megaletes	0410	EECL	P		and the collection of the coll		K		K	
111111111111111111111111111111111111111	W-3	P. maniadatus	New 0340	15	87	500	720		K		K	
	W-3	Peragua thus	0230	RECA	10			火		K		
	W-1	Perognathers	0440						K		K	
Dec 20	W-II	Rlong lis	04210	RELAI				x		K		let through today
	W-9	P. boylii	New 0140	22	9	early	Dost-lact. Donous, ups	K		X		wanted backs got through
	W-7	R. mega toks	0330	9	OR	510	tNO	文		X		
	W-7	R-me-salotis	0340	RECAI	9				X		K	
	W-5	R. megalotis	PTC 01000	7	9	SAD	rully		R		K	
	W-4	R. mesalotis	0410	25	2ND				K		X	
	W-4		0310	10	250	M	Sculo	X		X	2	CAUGHT IN SAME
	æ-4	P. maniculatus	0340	RESCH	$\varphi$			K		1		TRAP!
	W-3	P. maniculata	0320	21.5	9	M	perforate	X		K		
	W3	Perognathus	0240	126	CAP				K		×	
	W-1	Perognathus	6440	RECA	0			1		X		
Dec 21	W-1	A 1.	0440	1266	AP				X		×	
	W-3	Perognathers	0240	REC	AP			x		X		
	W-4	R. megalotis	6310	RECE	P				X		X	No. 2019. Annual Conference of
	W-5	R. me galotes	0340	U				e		×		
	W-5	R. megalotis	0230	Rtc	10				X		8	
	W-7	R. Megalotis R. Megalotis 2. Megalotis	0410	11				X		x		
A	W-7	2. megalotes	01000	//	iderialie	*********	irisaadateelesa	i esese	X A CE		X	

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DURUNG - DEIFT FENCE Data

	Hast	Luis TC	Posava	fior	a, Me	ordere	, y Co	2. (	Palif.			~~~	and grappy provinces up appear				in rate at at
		DZC	Drik	41	Fer	ee =	Man	h lhs	als								
	St.	SP	0.	The second second	Wo.	w.	: Se	4	Age	Bud	3	CAU	GUT	PE	ENS OUT		***
Dec 21 (cont)	W-9	5.tro	which		21# 315	5	0	77)	M	buea	ly	X				Modality	
	W-11	P.6	pylii	P	4210	E	ELAT	0	4			X			X		
	1-7	Traps	-		\$ K	asa	ge wa	'yx	left	oplu							
								0					Mushingal russ, or russ now				
										neropen plátickémperme koro, sýchádek, e		a Nijihala ipagani ajakalamatu matalahni		top the state of t			
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				con administrativis variablesses in					one-proceedings of the Supplicity Sp. 488, 460 APPE (spin)	ikk err Bor-Makri (1944-1944) (174-197) ern av sam John Sillanderin)	larkennenskuldennelle Waldelleman schaa	ur nach au Afternakar		2 Mariaba	Prophylina kajimanin samakaju savakaju kajima		miledu — vier
				No see													
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											Parliame SP SPRAY COMM.		page page				
																	tristraneeri
			gar Angele de la Carte de la C	Milespahnus 1994 volt verdilite 1999			pathon and Challes		namental del del Species de Accesa Pero e		Drivens from the Electric State of the State	enterhaldettild sie maanene	erannerijhilidiskera aan aanad				
					the magazine and the second of	Market, discharation von von Magnus en von von Statement von verbendige gr				annethindhermenterhalt (1986-1984) eile eile eile eile eile eile eile eil		Probability deliminated agency from the second of			Broad-Billy F-Corverbiomephilo		
				namen ema e elektrolisker y	,												
								penian. In the rail, for such of her helding									
				pagging upon to a control difference				areas and a second desired		Prince William St. Commission of St. Commission	Prophysical and Milledonic systems programs						10100
				24444			ALANA, MALANA,	Pie + Charles - art - arm - white-pre-		de programment de la company de la compa	diagrama nghiar Artiguman a Mangan Nagya Angan ng						
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JOURNOL- DIZIFI FENCE DATA

		Hastu	3 Reservation	Mouse	eny Co	., Cale	<i>F.</i>		Therefore was a secure of the		E nd istry and programs of the Samuel Agent American		
			TFENCE DA			_		s & Misc	201	uly	,		
		Status	Species	No.	Wt.	Sex	19	Brdg	CAG	1948	RE	BUT	
	Nov Blens)	E-2		010	14	?	M	terrestual stag	X	1	K		
		E-7	Tancha	020	16	7.	11	11	X		X		Caught in
	Nov 6(an)	E-Z	Taucha	N 030	12.5	/(	21	1/	乂		X		
		E-2	Taucha	040	14	11	11	11		X		X	
		E-7	Taricha	0100	13	//	ų	11		K		×	
		E-7	Tancha	0110		21	16	"/		K		X	
		W-8	Taricha	0120						L		X	
		W-B	Taricha	0200	1.50		lmm	11	X		X		
		W-6	Tancha	0130		JR-bulles vent	w	tail broader	0	x		X	
)_		W-6	Tancha	040		?	11	Hewstud		X		X	7 10-1
		W-6	Ensakia	NOID	68	?	M		X		K		Rod Colon
		W-4	Tancha	0200 W		7	11	Lustres	又		K		
	Nov Han)	E-2	Tancha	N 0210		11	1,	//	X		X		
		W-6		8220		10	۷,	//		K		K	
		W-a	1 (	0230		10	6,	1 6	X		X		*
		W-4	11	N 0240		//	11		x		X		trapped in
	Nov Blan	Congrid	) //	03001		1 (	11	L (					Shewa
~		W-8	Ensatura	820	68	?	M		K		X		
		W-8	Ensatua	030	68	, (	//	perrestual	人		K		
	Nov 9(a)	W-le	Taucha	0310		/\	//			K		X	Caught in
		W-7	1/	0320		Ž1	17	//		K		K	tigo.
		W-8	Ensafina	030 N	REC	AP .		//		K		×	
		W-10		040	0	11	15			×		X	
	Nov 10(au)	W-8	Ensatua	010	Reca,		((	(1		L		X	
		W-8	Ensatua	030	RECA	٢			K		*		

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LOUIZNAL-DRIFT FENCE DATA

Hastings	Reservation,	Monterey	Co.	Calif.

	Hastings Reservoition, Monterey Co., Calif.											
	DRU	- FENCE DAT	A: GR	ID RO	2-1 8	leips o	only.	• • • • • • • • • • • • • • • • • • • •				
	St.	Spp	No	wt	Sty	Asy	Bidg			IN	DUT	
Nov. 13	W-6	Taucha	Wew 0330		7	W	Tenestud		X	}	×	
	W-4	En satua	New 0100		?	Young		K		X		
120700 NOVISLAND	W-8	Taicha	Wew 0340		?	W	Teus		X		K	
NOV 146m	1 W-Z	Tourello	New 0400			m	Ten	X		X		
	W-2	Tamscha	New 0410			m	Ten		X		X	
	W-Z	Temodo	NO 420			in	Ten		X		X	
	W-4	и	0430			m	4	X		×		
	W-4	И	0440			ch	9	X		X		
	W-6	K	1000			m	4		X		X	
	W-8	11	1010			n	,		X		X	
	W-10	Tamvilia	1020			v	Ten		X		X	
	EZ	Ensativa	0110					X		X		
	E-2	Ensatrus	0120			٨	4	X		X		
	E-2	Elizativa	0200			jur	и		X		X	<i>.</i> *.
	E-4	Emotina	0130			m	n		X		X	
	5-4	Touvelo	1030			m	4	X		X		
	E-7	Emore	1040			m	1		X		×	
	E-7	Danielo	1100			m	,		×		X	
	E-8	1)	MANO			m	ter		X		×	
	E-8	-	1120			m	teor		X		X	
	E-8	9	1130			m	t/	X		X		
	E-8	1)	7/140			m	V	X		X		
Nov 15 (cm)	EN	h	1200			m	fu	X		X		
	ES	n	1100			- h	fore	X		X		WIAM
NOV 16	€-8	LL	01290			11	/1		K		X	Recap



RUBBUE, D.O. 1987

JOHRNAL-DRIFT FENCE DAM

Hastings	Reservation	Monterey	Co.,	Calif.	
					П

	Hasta	is Roservation	-, Mo	utery	Co., Ca	lef.						
	DELF	T FENCE D.	472:	hew	DC-1	HERP	5 OWLY					
	4.	SPP	No	Wt.	Sex	Age	Brdg	1			our	
Nov. 17	W-7	Taucha	New 01210		<b>?</b>	SAD	Terrest		×		K	
	W-4	Taucha	N 01220		и	M	61	K		K		
DAD118	E-2	Taucha	N 01230			lum	//		X		X	
	E-4	11	0124	0	11	ш	//		X		X	
	E-4	((	0130	D	, «	* (	, , , , , , , , , , , , , , , , , , , ,	X		X		
	E-7	ll	01310		41	۷.	and Course on a revenient security of the course of the course of the course		K		x	
	E-7	11	0132	0	11	1 (	1/		x		X	
	E-8	17	01330		11	/mm	11		X		X	
#	W-8	Ensatua	0140 W	,	11	M		K		X		
	W-6		0200		//	Zun	Bankari Tilling de State op prong 120. 35 Marie 1907, de se de mendio de del delle se, pe ja a del depubli	X		×		5-1 1 30 mm
	W-le	Taricha	0134	b	11	M	terest	X		X		
	W-4	Ensafria	0210		11	M		K		K		
	W4	Tarich	0148	0	LL	4(	Henry		1		K	
Nov 19	E-le	Taricha Ensafria Tarich Taricha	N 01410		11	11	(1		x		X	
	E-7	//	01421		VC	٤ <	//		X		X	
	E-4	//	01430		11	2	((		K		×	
	# W-2	1 4	a 01442	2	u	41	11	X		X		
The state of the s			024.									

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EBBLE, D.O. 1987

JOURNAL-DRIFT FENCE DATE

Hasting Territion, Mondery Co., Calif.
DEIFT FENCE DC-1: HERPS DNY

	The state of the s											
	DRIFT FENCE RC-1: HERPS DNLY											
	St.	SPP.	149:	Wt.	Sex Sex		Bidg		PHT		CEA SE	
Nov.24	~	Nothing -			v.							
ins . 0=2 bou 30	Pm W-B	Teritio	New 0 2000	Market and the second s	7	M.	terrestra	to maj li der Viller von soorder kannel	x		K	
1, - 0200 Decl	W-6	Tencha	02010			Bugint No. 1 States who for the second section of the second			X		X	
	W-6	Terido	02020						X		X	
	W6	Tando	02030			narakanna ykayara, a maa sa maa sa maa saga aya aya aya maa ah ma		Sadragional Repuesto bersamandos	X	74	X	60
	WG	ENTOFIN		Military and was satisfaction and was a sea of satisfaction and was a sea of satisfaction and sea of s		anisomilijas, ir diaksimom kant Sandisburginana kan			X		X	to mark
	W-2	Taricha	02040 N		t vij Maran 1887 in dieskaarden kan e samenhal stadigere in henry		mention resident of the columnication consistency control of plants and a structure of plants.		X		X	
Dec 16	JW-8	Taucha	02180 N		?	ш	ben.		K		X	
Dec 1 (pm)	W.7	Territo	02/10			ngana kunjilija Aggillaja delphagud Alliga (aggillaja delphagud			X		X	
Dee 2 (an)	<b>Æ</b> -2	Tawelo	02/20	Matthiada e Thianaid S an Albane (Albane) ann an				X		X		
	E-6	Tencho	02130	The last section of the la		rando mado e 1960 de 1860 de 1	galanaganil 18 a Nasaragan Verseya Ariika kansari 18 kan 1886ahak kalilik Arii	X		X		
	W-10	Tevelo	02140			r Baylangussa Bayaring Baylan Aprilay rip, bilan salaha salahasa dilipunca ayangara kara-	and the state of the same and the same and the same state of the s		X		X	
		Towls	020/0	N	BCAPT			X		X		
	W-4	Tombo	02200 Well	1		Proposition of the American Association of the Association in the Asso		X	,	X		
	W-3	Tavolia	02212 New	Security of the security of th		arracadina Arada, Parra a anan'i direditad dia pilatra di seresi.	and half-offers for the Millions of the Control of	***************************************	X		X	
Dec 3(a)	E-2	Tearch	Men Dello					X		X		
Dec 4/our	W-4	Tarocho	02235			man dishiraka di Milli dilakaka dari dilak (Millian dishira di			X		X	
		Tevilo	02240 New		7	. 1 1	Herostral		X		X	
Dec 9	W-10	Taricha	02300		?	M			R		X	
	W-8	Taucha	02310		11		1 (		K		K	
Dec 10	E-8	Tancha	02320		/(	4	11		K		K	
	W-10		02330		22	((	1 (					
	W-le	7	02340		1	**************************************			X		7	
	W-4	/ /)	02400		(/	11	ι/	1	X	X	X	
	W-4	11	02410		11	l '	11	X		<i>&gt;</i>		

RIBBLE, D.O.

JOURNOL- DRIFT FENCE DATA

		Hash	ings Roservat	tion, V	Montes	es Co.	Calif.						
, N	1:20	1921	DRC: Herr SPP.	s oul	7								
		54.	SPP.	No.	W+	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sq	Brong	CAUC			DUT	ŗ
	Dec 11.	E-6	Tand	02420		?	M	terestras	K	***************************************	<b>×</b>		
	Dec 16	E-5	Tancha	New 02420 New		?	( (	(1		X		X	Clipped Wrong
7 2 2007		E-5	Ensatua	0220		7	11		X		X		,
		W-4	Ensatua	New 0230			Hong		X		X		
	Dec 20	E-1	Taucha	New 02430		?	М	terres	X	menomiyin bilgidi, garayana	X		conslet in
	,												
							and the state of t	Market of Address (M. 1994) No. 2014 (Supplement of Supplement of Supple		er' — « +timere — er			
											1- 3-4		
	· Deed doct												
tou	Jana Suest	42	ORC: Ma	MAN	1								
	Dec ZI (cont)		5. havlgudzie	Caf# 875	3	78	Ш	brander	X				Mortality
		W-11	Phoglii	04210	Et	LAP			X	_		K	
		114	ps closed s'	Pass	age ix	ass ly	et op	m _					
							bilinoir i						

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SER CALL



`*****		Hastings Natural History Reservation, Montere	y Co.,	Calif.		pulled to the state of the
	Feb. 2	01440 9, mature, imp., parous, 24g. Toe-clipped			,	
		DZ000 0°, mature, TND, ZOg """			" 10,	
		02100 9, mature, imp., mulliparon, 20g "		11	" 10,1	
		02100 f. mature, pregnant (?), 22g "		grid RC-1,	" 5,1	
	March 27	02110 9, mature, imp, parons, 18g "		Grid MC-1	St. 5,	8
		02210 9, mature, imp, nullip, 23g "		71	7, 8	
		02200 07, mature, TND (close), 28g "	11	Trapline B Ou RC-1	st-8	
		02310 9, mature, imp, parous, 23g "	4	Trapline A	st. le	
	•	02320 9, 11 11 239	l i	11	119	
		0 3 0 87, mature, TND, 23g	11	Trapline B on MC-1	" 18	)
		02120 q, mature, imp, parous, 24g	11	L1	11 12	
		02130 07, mature, TND, 22g	ll	"	11 8	3_
		02140 q, mature, imp, nullip, 20g	1(	ι,	" 8	3
		02300 09, mature, TWD, 23g	LI	11	" 7	7
		02220 07 " " 24g	11	Trapline A on MC-1	u 1	
		02230 09 " 249		t l	46	2
		02230 0 " " Z4g. 02240 0 " " Z0g	U	(1	10	)
		02310 07 " " 219		L(	16	)
	March 29	02210 07 mature, TND(close) 23g	11	Grid Ri	1-1 st. 8	2,12
		03200 9, mature, imp, nullip., 22g		on DC-1	St. 3	dderalli∮a-ma yas silveylandasyik
	June Z	02220 9, nature, perf., parous, 21g 7				
	June 3	02236 q Mature, imp, nullip. 21g				
		02220 9 11 11 11 249	11	Larid MC-1, St.	6,13. Ca.	-tagg-
-		02230 0 Mateur, Scrotal. 21g	11	" (	14	
	June 4					
		02240 9 Mature, imperforate, parous, 25g	41	GRID MC-1,	St. 7,5	5
					*	

Hastings Natural History Reservation, Montery Co., Calif. June 5 # 02300 09 Majure, Stotal, 25g. Toe-clipped. Grid EC-1, Stotion, 8,14. Mature, Parous, Perfordo, 24g. 5,17 Mateur, imperiorale, parous, 25g " GRID PC-1, 02336 & Mature, imperforate, parous, 24.5g " 4 5,17 02300 65, mature, Scrotal, GRID ML-1. Transect A-1, east , mature, parous, imp. 23g. of mc-1. July 13 02310 St. 10 02320 0, mateure, TAID(close). 24g 11 5+.1 07, immature, TND. 02330 St.6 0, mature, scrotal. 02340 Transact 1-2 " TND. 239 St. 4 02400 east of WC-1. July 15 9, mature, imp unllip (?) 200 02410 5t. 2 Or, mature, scrotal, 02420 1) mature, imp., parous. Lshould have clipped 2440, dual #, seeabove) Transect A-1, B, mature, scrotal . 24g u St. 8 east of met. Transact 1-2, LChanged 22 suly to distinguish from 0 2400 lelow). 23g. St. 4 St. 7,11 0 2400 and RC-1 Transact PC-1. Mature, lactating. 54.1 010 54.1 020 Scrotal. 11 " 12 030 11 15 #TND. 040 July 19 Mature, imp., Parous. 0100 4 14 7, subadult, imp, nulliparous. 19g. mature, 0120 lmp. Lwrong #, should have been 02410) July 20 mature GRID ECT. TND 02400 07 5,17 ll 7 11 79 02410 IMP., parous 11 11 02420 5 3,4 Scrotal 11 Zleg 0130 TND. Transact PC-2. St.



	Hastings No	atural x	Listory Reserva	tion, Monterey C	o., Calif.		
	1			25g.		d. Transect I	2C-2. St. 6
				18g.			
	02430	9,	subadult, Imp.	nullip. 17g.	11 11	GRID RC	-1. St. 3,8
July 21	010	4,6	actating, per	forale. Zleg	11 4	Transect I	meek, "B
	020	077, u	nature, scro	tal- 25g	u u	10 . 0	" 10
	030	9,	" , imp-, j	Darous - 24	11 (1		-1. St. 3,8  ML, " B  " 10
July 22	040	6 ⁵⁷ ,	", scrota	l. Zleg	ч ч	(	u ., 9
	02440	7,	", personal	le, parous. 260	۷ د د	4 GRIDRE	-1. St. 7.10
July 23	03010	9,	", imper	Toute, 11 - 21	11	11	" la, 16
	03020	9,	11 11	, nulliparou	5-20g	"	"5,16
Aug 5				ND but close			" 3,11
Aug le	1	_		per borale, paroc			
U	03100			otal,	275	11	" 4,18
Aug 13	02446	字,	11 jung	ref., parous.	$\mathcal{O}$		MC-1, 7,18
	0 3000	9,	11 Par	ous perf.	25 g	11	7,15
4	03010		Subadult Pelage	scrotal.	200	71	11 8:5
	03020			regnant, perforate	e. 30.5 g	MCH.	11 B,5 uce on ist. W-11(in)
		9.	Immature, n	ulliparous.	10g.		MC-1_8,16
Oct. 3	03040	07.	Immature	TUD.	lleg.	11 120 1 A	5,10
				11		5. W	-4 lin
				, Nullipaious		st. U	U-1. (in)
Oct 4	03100	9-	- "	, nullipaious		" St. u	reft sence,
	03//0	$\mathcal{M}$		11		" St. 8	MC-1.
	03/30	80	1 .	Scrotal. 2			DC-1 duft St. W-9 Cin
Oct 5	03140	9	I amotar	, nulliparous	1.1359	" Grid	Ent State (in)
	3200			1/	13g.	11 GRID	RC-1. St. 6,11

		6 C	
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Hasting Marual Fistory Reservation, Monderey Co. Calif. Oct. 6 #03210 0 Immature, TND, 13g. Toe-clipped. TRID RC-1. St. Ce, 11 03220 9 Mature, 'actating. 27.5g. Oct. 9 03230 07 Immature, TND. 12g "-" 03240 0 Mature, Scrotal. 24.5 11-11 4,18 Oct 12 03300 07 Immature, TND- 14.5g 11-11 01.5+.5-1 Oct 16 93310 9 Water Pregnant 35g 4-4 Oct 17 03320 07 Early SAD, TWD. 17g "-" ₩U-1.5+ E-5. Drift Fenceon Oct 19 03320 f. Immature, nullip. 1/0g 4 - ". RC-1- St. W-7 (out) 03330 87. Immatus, TND. 17g "-". " " W-4(out) Drift Fonce on 03130 q. 11 , Nulls. 15.5 g "-" MC-1- St. W-7 (in) Drift Fence on Oct 20 03 200 07. Early materie, Scrotal. 22g "-" MC-1- St. W-11 (in Drift Fence on 03340 4. Mature, lactating. 28g "-". PC-1. St. W-9/in Oct 21 03200 09. Immateure. TNO 1/29"010 9. Mateure, Text swollen, non-lactating Drift Fance on MC-1. St E-7 (out) Transect XIII in Nov. 3 03400 q. Imatur, nulliparous. 16g. 8 SUB, TNO (close). 20g 03420 0° Imm, TWD. 18g. "-". GRIDTEC-1. St. 5,17 03430 & MATURE, Pregnant. 33g 11 - 11 7,14 03440 69 SDD, scrotal. 228 04000 09 11, TND. 20g u u u 04010 9. Matur, Pregnant. 34g. 11-4 04020 69. Imm, TND. 1 7,11 11 4 04030 wrong # clipped Lchipped 04030 on 5 Now) Duftline RC-1. 11 -11 19.59 04030 Nov.4 Early SAD, nulliparous. St-E-3(in) SAD, TUD. 11-11 04040 11 E-3(out) Dr. At line MC-1. elmm, TND. 03210 St. E-7(in) 11-11 03220 SUBADULT, Nulliparous. 242. Nov. 5 St. 40-9( m

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Hastings Rossivation, Monterey Co., Calif. Nov. 5(conit) # 04100 9. Imm, nulliparous. 1 leg. Toe-clipped. Grid RC-1. St. 4,12 10st tip of tail in trap door. Nov.le 04120 21g 11-11 11 04130 07 SAD, TND(closs) 4,18 Drift fence an MC-1, st # W-5(in) NOU 7 87 SAD, TWO. 03230 23.5 g Nov 8 03240 9 lum, nullip. 11 # E-3 Lin) 4-11 GRID PC-1-55t. 9,18 04140 8 11, TND. 11-11. GRID MC-1, St. 8,8 Nov. 9 SAD, TND. 03300 18 5 11-11 Grid MC-( duft fence. NOV 10 03310 lum, nullycerous 13.5g "-" GRIDMC+, St 8,17 248 "-11. " " (6,14 SAD 03330 1mm, "1 17g "-" (Ard EC-1 Out feece. St. E-10 (out) Nov. 11 SAD, TWD. 2/g "-" GROWC-1. St. 8,5 03340 lum, nulliparous 17g "-" (c.8) 0\$ 400 Mature, lactatus. 28g "-" leves. St. W-11 04210 NOU.12 03410 07 lum, TND. 14g"-". GRID MC-1. St. 8,7 late dum, TWD. 17.58 " - " MC-1 dreft fence St. E-3(in) 037 03420 15g "-" MC-1. St. 9,17 Nov. 13 03430 lum, nullipaious. lum, nullipaious 18g. "-" MC-1 duft hace St. E-1(in) 034 80 11 11 11 E-3 (in) 11 - 11 07 04000 Imm, two SAD, TND. 218 "-" " W-1. (in) 97 04010 lake lun, nullip. 178 "-" MC-1 duft kur W-5 NOV 14 04026 9 IL 11 NOV15 04030 Trapline wes east 11 04220 lum 11 04230 U Traplue west NOU 16 14240 04300 scrotal. SAD, 04310

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Hastures Natural Arstory Reservotion, Monderey Co. Calif. GRID RC-1 duft fence North (cont) 04320 of lum, TND, 18g. For tongged 51. E-7 (out) Matur, pregnant 34g Transpot west of Grid 04330 9 Grid RC-1 dust fenco lum, nullip. 194 5t. W-4 (in) MC-1 dreft fence, 11 - 21 NOU.18 04040 SAD, nullip. St. W-7 (out RC-1 duft benco 9 lum, nullip. 15g 04400 5t. E-3 (out GRID RC-1. 07 SAD, TND. 18g 04410 St. 6,14 east of grid IZC-1, 11 _ 11 Nov. 24 04430 nullip. 150g transact GIZID EC-1 duft fence lum, TND. 16g 5+ E-5 (in) 04440 010 . nullip. 14g 020 Early SAD. nullip. Elg 030 W-1 (in GRID RC. St. 5,18 NOV 28 040 lum, NOV 30 0100 ing nullip 13g GIZID MC Dreft fence. St. E-5 (in) Dec 2 04110 St. E-7 (out) SAD, nullipaious. 20g GRID RC, St 4.17 4 - 4 Inn, rulliparows 14g 0110 11 u st. 11 - 11 Dec 3 0120 GRID WR, St. 9,0 Dec 9 Mature, lactaturg. 29g 020 St 6,6 lunu, nullipaious. 19g 030 5,5 of Planu, 11- 11 250 0120 * Note: this amind was previously toe-dipped # 020 which was a # never used in this area. The closest of P. boylii designated this # was on 21 July on Transect The along Robertson Creek just above it's confluence with Fruch Creek. If this is the same animal, it seposent a long, movement. This animal was definitely toe-clopped #020, and not due to a natural accident of some sort. Derro 04120 8 SAD. TNO. 21g. Toe-clipped. MC duft force, St. E-7 lin Declo

	Hosting Material History Reservation, Monterey Co., Calif.
Dec 16 2	#04130 & SAD, preguant. 28g. Toe-clipped. GRIDMC, St. 9,9
	04140 87 SAD, TND. 22g "1-1" " 16,12
	04200 B7 ", ". 18g. "-" " "6,14
	04210 89 Imm, 11. 16g 11-11 11 "15,6e
	04220 q LakeSAD, nullip. 25g "-" " 8,5
	04230 09 1 mm, TOO. 12g "-". MC Ruft bence, St. W-9 (in)
	04240 9 lum, nullip. 19g. "-". GRID MC, St. Bill
	04300 9 Early mateur, nullip. 24g "-" " 5t. 6/4
	0130 8 Early SAD, TWD. 19g " -" Transect east of Good BC.
Dec 20	04300 & Early water, nullip. 24g "-" " " " 5t. 6/4  0130 & Early SAD, TWD. 19g "-" Transact east of Good BC.  04310 & Imm. nullip. 10g "-" Mc drift fence. 5t. W-5/20, but released back in
	04320 9 lum, nullip. 14g "-" GRIDMC, St. 8,16
D00.21	0140 & Early Mat, Dost-lactating. 22g"-" Redrift line, St. W-9/in) 04340 & Imm, TWD- 17g "-" GRIDME Duft line, St. E-2in
Deco	grant de gr

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<i>y</i>	Hastings	, Natur	al History	Reservation	u, Monker	ey Co	., Cal	· F.				
				36g. Whik					MC-1.	Station	n 9,5	offerfolds - service of Classes
	1		lature, TND,				ll .				9,5	
	l		mmature,		4	'l	"	11	//	16	10,10	
				1D, 3log	ALA SPACOSO AND	66	<i>6</i> C	и	"		8,8	
	1026	57, 1	Mature, T.	ND, 40g					//	11	7,10	)
	1034	早, I	mmature, 1	Jullip. 28g	While tail tix	), "	/ (	٠,	11	"/	7,5	
	1035	87, 5	Subadult	, TND, 30g	des.	11	1 (	10	11	"	9,7	-
March 26				actating,		/'e	<i>t</i> (			11	9,5	
				nullip,	0	1			( )	1	9,1	3
					_	(	1		И		7,18	
See SPP AC	1042	57,	subadul	, nullip, L, TND,	25 g			Milliothicida and representational throater representa-	//		8,0	((
				, TWD,			"		((		8,1	
March 27	1046	037,	early su	badult, TN.	0, Z5g	paramaga, makada Makada Pa	1(				8,0	5
March 28	1051			lactatus,	U	~	11	from	n BC-l	5	F. 8	
	1052			scrotal,			11		1 /	11	10	
	1057			, Imp., pa		de se minimum engriphism (sp. p. e seny en	11	Ti	apline,	1, Re-1	54.8	)
	1058			, TWD,			И		11		4 18	2
	1			u, scretal	C		11		rapline on MC1	B	5+.	9
	1061			, TND Colo	$\mathcal{O}$		11		ıl		41	6
	1062	-		, perf, nu	0		//		//			6
	1063			H. nulliF			/(		11		11 8	
	1067	4,	early mature	, IMP, NO	ullip, 37g		11		on mo	ned)	И	3_
	1068						//		\$1		// 2	5
March 29	1074	2	ımmatur )	e, rullip	-,119		11		arid n	10-1,	St: 18	9,6
	1070			e, TND/cl			′/	Tr	apline 13 n MC-1		st. 5	
	1071	031	, matur	e, scrotal	, 37g		11	Ira	pline A inc-1	ć	H: 5	
	1072	7	, mature	, pregnant l hite Fail Fip	palpable), 5	lg	1/		4		" Ce	
			W	ark buil top	•	_	1-7-5-5	7 2 7 3 2 3 4 5	14 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	48 3 m2 5 m2 5	d salada e Yan	

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	Hastings Natural History Reservation, Monkerey Co., Calif.
June Z +	#1073 09 Subadult, TND, 34.5g. Ear-tagged. Grid MC-1. Station 9,13
	1076 & Subadult, nullip-, 34g " " Grid RC-1. Station 8,16
	1078 9 Mature, nulliple, 35g. " " 11 6,17. PM. Cat #764
	1079 & Subadult, Nullip., 30.5g " 5,12
June 3	1086 07 Mature, TND(close), 37 " " 5,13.
June 4	1089 & Subadult, rullip, 28.5g " 4,9.
	1090 07 Subadult, TND, 31.5g " GRIDMC-1, St. 9,14.
June 6	1093 of Subadult, TUD, 29g " steambed. Trap transect.
July 13	1096 of Mature, TWD, 39g "Transect A-1, east of mc-1.  1096 of Mature, TWD, 39g "5t.10, 2120 east of gird.
	1097 of " " Hornes (follected 25 may 85 Transact A-z, east of MC4.  1097 of " St 6. (260m west of boundary)  White tail tip " " " " " " " " " " " " " " " " " " "
	1093 of Subadult, TND, 29g "streambed. Trap transect.  Tissues collected 10ct 1987. "Transect A-1, east of MC-1.  1096 of Mature, TND, 39a "st.10, 2120 east of aid.  White tail tip. Tissues collected 25may 89 Transect A-2, east of MC-1.  1097 of """ "40g. "St. 7 (240 m west of boundary)  1098 "Transect A-3, east of MC-1.
July 14	1100 " " 41q. St. Z
	1901 9 " , imp., parous. 40g " Transect A-3, east of uc-1.  St. 9
*	1902 0 "I TNO (close) - 439 " Caught at 1st crossing, kapt Collected by 103 student 15Nov 87 at 2nd Crossing. Preshant 3 emousor of 1 left. \$6.50 1903 \$ Mature, imp., nullip - 39.50 MC-1- St-2 241-140-25
July 15	1903 9 Mature, imp., nullip - 39.52 MC-1- St-2 - 241-140-25
*	1905 8 " CLOSSING MEPT for behavior
July 16	1906 & Subadult, Imp., nullipanous. 23g ". GRID MC-1, St. 8,5
	1906 & Early Subadult, Imp., nulliparous. 23g ". GRID MC-1, St. 8,5  1908 & Makue, TND_ 39g. " East of mct. St. 1.
	Behavioral (Fluorescent Trials): See Journal on 14:15 July for description
	of arena. Tought we arrived at 2030 hrs. to begin work.
	# 19020 was dusted with orange & blown on to unove excess
	Dowder- All boxes were removed from the enclosure, the santition
	was lifted, and 1902 was placed back in the enclosure. After
	Smin of standing sitting still with infrequent grooming, he began
	to explore around the enclosure. He approached 1903(4), insticted
,	an anal sniff, and walked over her and away to explore the

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Hastings Watural History Teservation, Monterey Co., Calif. July 16/10nt arena. 1903 stayed huddled with no notice able waction. This sequence of events occurred several more funas in the next 10 min, with 1903 occasionally moving to as corner, or on top of the water bottle. The always responded to 1902's presence by remaining huddled. 1903 continued to explore around the arena. Conclusions from this are as follows: 1) Powder doern't appear to affect behavior (eg 1902) 2) Powder was transferred in this case adequately to be Considered Contact in the field, 3) perhaps the Z would interact more if they were previously associated leg. a breeding sain?). Left around 4300 less with partition lefted to they could inseract through the night July 17. 1400hrs. Cleaned out the cage, put female 1903 back into the left side and #1905 (07) in the right side. Put #1902 07 in the small plastic cag.

(Found dead in trap 5 Aug. Cat No. 781)

= 1911 & subadult, Imp., nullip. 29.5g. Ear-tagged. Grid PC-1. St. 6,16 New animals # 1911 9 1912 9 subadult, imp., nullip. 33g. " " " 1913 0 Mature, TND. 4/g " " Transect PC-2. St. 9.

1914 0 Pany mature, TND. 28g " GRID PC-1. St. 6,9

1915 9 Subadult, Imp., nullip. 30g. " " St. 5,11 1916 057 Subadult, TND. 27.5g " " St 6,10 2230 hrs - Dusted # 190207 with RED powder and put hum in the enclosure with #1903 f. After Staying still for 5 min (suithing the air), he explored around the cag, but didn't encounter 1903. She stayed in the large box, then moved up to the 40 bottle We left after Duin - tomorrow night ell check the flor Z colors Ear, Solwa, Blood collected 14 Nov 87. Mature, IMP., nulliparous. 35g. Ear-tagged. GRID PC-1. St. 3,11 July20 # 1917 9 #1918 & makere, pregnant (palpable). 52g. " " Transect PC-2 St. 9.

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	Hastings Natural History Reservation, Monterey Co., Calif.
July 2	Ocon't) 2230hrs - checked # 1903 for powder. She was covered with Red Pignent
	Lears, mouth, limbs, clitoris, tail, body) and the only place that
	Orang was visible was inside the ear next to the skull. Perhaps
	Il shouldist have waited so long to try the second color, but this
	does show that if Red bollows Orange mostly Red is seen.
Jul	1903 & 1405 (07) Were huddled fog ther upon arrival.  (New Duinals? (Fourd dead introp 5 Sug. Catt 782)  421 # 1919 & mature, IMP., Parous, 38g. Ear-tagged. (ARIOTECT. St. 9,17
	1920 9, ", ", nulliparous (?), 40.5g."" " " 7, 16
	1921 9, matine, ", nulliparous, 36g "" Robertson Creek St. Le
	1922 69, subadult, TND. 30g. "" " " "
July	1920 9, ", ", ", ", ", ", ", ", ", ", ", ", ",
	I deaned out the behavioral arena this afternoon, and released #13 1902, 1903,
	and 1905 at the 2nd Crossing. None of the animals were in
	reproductive condition upon release.
July 2	
Aug C	
	5,11. We dusted the collar with green powder. This morning
	after checking traps (0800 hrs), Manco piched up her signal
	from the base of the Madrone at station 9,7. Ihere are los so
	holes in the hard-packed clay in the hollow of the base of the
	troe, with 20 pencil-sized sticks in one pile. It looks
	Something like this:
	Hollow faces N (downslopse)
	a dest
	eventually found here here.
	10 M streks 1 g trap station
	/ M

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RIBBLE, DO. 1987

> Hastings Natural History Reservation, Monterey Co., Calif Aug bloom I began digging using my hands and needle-nose pleas to pry soil look. The clay was very hard sached and came out in chembs. Ene (#835) appeared briefly at one of the openings (see diagram about), and 5 min later I opened up the Cavern and could see her and at least Z, maybe 3 young. The nest was 'Cup shaped, made of the lichens; dried moss, and had an overhanging les sartally covering her & the pups. The sups were fully harrod, gray on back, white on ventral side. Il dedut see Ceft the nest and climbed up into a connecting cavern, out of view This cavern with the nest was about 3 fists big. I dedut want to dig anymore for lear of totalling destroying the site. We covered the hole into the nest with clay chings, and Set 4 traps in the hollow in case she tries to leave this site. I meeded a long-sair of forcess and il probably could have caught her. We left at 0840, and will return shortly to rry again - 1015h. - we returned and just as I lifted the clay covering the nest cavern she went back up the same passaguay as before. We closed all the traps and left. Touight we hope to catch the young while the mother is away. 234 Ours - we caught #835 at-station 4ft, 30 m from the mest site We tet 2340 hrs - we could get a signal on # 835 at the same nest site. We opened up the cavern and she wasn't at the

Duginal nest site.

Augt # 1929 & makin pelan personale, nullipanous. 29g. Ear-tagged. Good EC-1 st. 5,00

We caught # 835 at station 4,9-30 m from the nest site. We left her in the trap & tried to find the babies - No luck. Reland her at the nest site and she escaped to a blind termel.

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theseings Wateral Acston Resourtion, Monterey Co. Calif. Aug Floit) We also put a collar on # 1928 this AM 1030hrs - returned to try & find # 835. I dug in deeper in the ouginal nest cavern to locate her. I then heard a squeak next to my head. Through the cracks in old aut (or termite?) diggings I could feel or nest with young. This was about 1/2m about the original nest. I pried out some of the old ant diggings until the hole was barely big enough to reach my hand in. We tued in vain for over 30 min's to get # 235, but she was very forceps). We windered the hole with a crowbar and The escaped up a side funnel. I couldn't see her but could feel her. It was difficult becouse it could heel the babies a tacked (again at least 2, maybe 3), but didn't want to pull them. I could never quite get ahold of #835. Eventually (another 15 min) she climbed up higher and I couldn't beel her. We better put Metotane souled Cotton in the hole for 3 min, but nothing happened. We then covered up this new nest site and went to radio-track # 1928 (See description in JOURNAL D. 28). We came back after 15 min and stell no sign. We left after covering up the hole into the nest. I also tound and collected 2 Peromyscus Carcasses in His 11st site. I new , matur, imperforate, paious - 41-5g. Ear-tagged Subadult, imperforate, Nulliparons. 32.5g. Ear-tagged. Grid PC-1,5+5,17 anual retacked 1979 and 15 Nov. 87

Hastings Natural History Keservation, Monterey Co., Calif. Aug 10. Frially caught # 835 w/ young at a 3rd nest above the second. il viserded a cotton ball with a good dose of metafane into the small ( ~ 30 mm diameter) hole and she subrequently appeared at the second nest site. The retreated back when I tried to grab her. I then removed the cotton and she then jumped out of the hole unmediately with young attached into my hands. The young were difficult to detach from her beats, but by applying frim test gatly pressure to their subuts they let go- While processing the young, it left the mother matrap. The young were inoductely agile, eyes grened, and they werent broing. All squested when handled. I ear depped these #11-13. They would Howe been old enough for ear samples and blood. Tagged 1952 # 835 #011 6 Immabure - 127-65-23-14=12-4g - Ear-clipped - Grid EC-1 22 Oct 12 Tagged 1945 #012 9 " 132- We-23-14 = 12.7g "1 #013 09 " 129- 62-22-12 = 11.9g " 91 See SPA Acct after processing, it put each one back in the trap with the mother. I then opened the trap and held it next to the hole i she went back in with young attached, and settled in the nest. Total Wandling time was 215 inca. The radio-transmitter was not on her and appears to be in the bunnel council chang the Zerd & 3rd nests Success!

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	Hostings Natural History Reservation, Monterey Co., Calif.	
Oct. 1.	# 1939 07 Lake subsidult, TND, 32g. Ear-tagged. Larid MC-1.5t 9,18. Saliva coll. 1940 07 Mature, TND. 35g 11-11. MC-1. St. E-7(in) "	-1
	1940 37 Marue, TND. 350 11-11. MC-1. St. E-7(in) "	
20 Dec 1987	1941 87 Mature, scrotal, 37g. "-" - Grid MC-1.5t. 9,10_ ""	/
Oct. 2	1943 & Mature, Derforate, Darous, 40.50x "-" " " " " 11,15 "	7
Oct. 4	1943 & Mature, perforate, parous. 40.5g "-" "" "" "11,15 "" "" (012) 1945 & Subadult, nulliparous. 31.5 "-" on Ec. 1. St. W-3 (out) " ""	1/*
	immature pelage with some brown in contand brown around ear.  Faint green bowder in side of ears. * Forget to toss drop of Mepanin out of	
Oct 5	1949 87 Subadult, TND. 27.5g "-" GIZIO MC-1.5t. 5,10  Young of #835 previously ear-clipsed #013. Faint green powder in ear  Wea-surements 200 - 111-27-24-5mm	ol
	Measurements 200 - 111-27-24.5mm  See Journal His day for description of another 10st of # 835's found-	
Oct 9	1951 09 1mm, TND. 1/0g. 174mm total length. GRID RC-1. St. 8,12 Covered with Red Pigment 30 most likely offspring of # 1079. Blood, Ear, Saliva tissues Collected.	
Oct 12	1952 07 Imm, TND. 29.5g. Ear-tacged. Grid RC-1. St. 9,18. Young of # 835 previously ear-clipped 011.  Blood, Ear, Sale Rison, Sale	
	Young of # 835 previously ear-clipped OII. Blood, Ear, Sale fissues collecte	va D
	1954 & Sub-, imperf nullip. 30g. Ear-tagged. GRIDIZC-1 St. 7,14 Salva con	0
toe-clipped #020 on 13 April 88		
,	21955 07 Imm, TND. 17.5g. Ear-tagged. " " St. 5,14  Covered wi Red Pigment and captured at same Blood, Ear, Station as mother # 1079  Salwa, Coll	
Oct 13	0100 of Imm. 99-40-19-11=9g Toe-dipped Young of 9# 835	
	0200 7 Imm. 98-40-18-10.6 = 8.5g toe-clipped. Same nest	)
Spp Acot Retanged	1965 q ". 98-43-19-11 = 9.5g "-" Site for # 835 as befor.	
	We radio-collared 3 animals early this Moining: # 835 & Channel	4
	#3), 10799 (Ch.#11), and # 10200 (Ch.7). 1020 is suspected	
	mate of ## 835. 1200 hrs - M. Salvioni got a signal from	
	# 835 at her nest by station 7,9; # 1079 to east of station	
	8,12; and # 1020 to the NW of station 6,11 on north side of	
	Cilek. Thus, #1020 is not visting with # 335 during the	
	day, at least not today.	



	Hastings Natural History Reservation, Mouterey Co, Calif.
Oct 13 (con	t). Toucht we radio-trached #5835, 1079, { 1020 from 2100 to
	2355hrs. See copy of M. Salvioni's data short for details.
	## Around 2300hrs # 835 left her nest and # 102007
	entered and stayed for "10 mins!! Exceting information.
Oct 14.	0900hrs - M. Salvioni cheched on locations and found
	# 835 and # 1020 at nest site, presumatry together.
	See Radio-colland data for complete data
Oct 15	
Oct 16.	Se Radio-Collared data for lo cation data  "" " Trapped # 835
	His A.M. and removed her collar.
Oct 18	# 1957 & Mature, perf., nulliparous. 41-50. Ear-tagged. West ravine, 5+#1.  Scar on back between shoulders. White tail typ. 11
Oct 19	1958 of Mature, TNO (close). 32g. "1 11.5t.#1
	1959 9. Mature, post-lactoring. 39.5g "-" " ", st. 11
	1960 07. Immature, TND. 18.52 "-" " st. 5)
	1960 87. Immature, TND. 18.5 g "-" " 5t. 5) both 1961 87 Mature, TND. 36 g "-" " " Sin same, trap.
Oct.zo	2 See Journal His day Concerning # 835 & her nest.
Oct. 21	2 See Journal Hus day Concerning #835 & her nest.  51000-salva-ear. (tassed lettea) (" #2  1962 87 Mature, scrotal. 41.5g. Ear-tassed (" #2  Blood-salva-ear. White tail typ+ white band  1963 9. Subadult, nullip. 26g. " - " " " #5  Blood-salva-ear.
	1963 F. Subadult, nullip. 26g. "-" " " " " " 11 #5
	1964 P. Matrue, Janous, Carly pieg. 38g "-" " # 20
Nov 2	1964 Q. Matrue, Janous, Carly Dioc. 3Bc 11-11 11 # 20  Yours of # 835 (0300). Blood, salvadear collected. Hemo. not washed  1965 Q. Imm. 156-75-24.5-20=17.3a, Ear-trassed. (91210 12C-1. St. 6,11)  1966 Q. Imm. 160-82-23-20=15.5a 11-11 11 11 11 11 11 11 11 11 11 11 11
	1966 9 Imm. 160-82-23-20=15.5g "-" "" ""
	1967 07 Imm. 155-77-24-20=16.5g 11-11 " " 5.8
	1968 87 Matrie, TND. 34g. Ear-tagged. GRID RC-1. St. 6,10
	19109 & SAT MULLIONING 310 11-11
	1970 87 Mature TND (close). 34g "-" Drift line 72C-1, St. W-3(in)
Nov.9	1970 87 Mature TND (close). 34g "-" Drift line 12C-1, 5t. W-3(in) White toil-trp.  1971 87 Mature. TND. 35g "-" GRID MC-1. St. 9, 8



Hostings Natural History Roserva from Monterey Co., Calif. Blood, ear, solva, collected. Nov. 12#1975 & Immature, nullipaners. 25 g. Eur-taggel. PC-1 drift funce, St. E-10 (out)

Post-lactatus!?).

1976 & Mature, parous, parisi- Hig. u- u GRID MC-1. St. 10, 6.

Blood, ear, salva collected. Blood, ear, salus collected. Nov.13 1977 09 Subadut, TND. 27g 11-11 RC+ duft fence, St. E-9 (in) Mod VA redercome 2200hrs - torright W. Salvioni and I radio-collared #1943 (q-lactating) at station 9,12. Radio & on chamd #3. We had hoped to catch of # 1941 who is her suspected mate (RED pawder was transferred from # 1943 to #1941). Nov 14 This am we received the radio-signal from 1943 at Station 9,10. At this spot there is an old Neotoma midden Every flat, small twics only, and alot of litter) at the base of a small Bay tree (3 in high). There is an apparent entrance at the top next to some rocks. Zzoolus - we came out to the gird MC-1 tonight to try and catch # 1941 or and radio-track # 1943. 1943 was Captured at 9,10 without her collar. The signal was coming from the He old midden so we began to carefully excavate the nest in search of the med collar. There were several passageways throughout the see midden with smaterings of red Dowder. lefter "30 min of desging, we came to a tunnel that made a sharp haispin turn into the side of the Will, luding in a jest chamber about 1/2 fists beg. There was a lichen rest and moss nest that seemed fresh and the collar was in it. The collar had been chaused off just to the side of the transmitter, and the locking mochanism was chowed up. Obviously, some other animal had cheweelit off, and based on the size of the chew marks

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Hastus Wateral History Reservation, Wonderey Co., Calef. Nov. 14(cont) and strength of the plastic we don't think the sups could have done it. Thus, it must have been her mate. du addition, we found an old carcass that only had teg bone post-cramial material next to an ear tag # 1042 (tagged Zle March). We released # 1943 after dusting her and she escaped under a live onk just above the nest. Didn't catch # 19410 in any of the traps. Obviously, we need to develop a different collar to Nov 16 1982 of lum, TND. 28g. Ear-togged. Grid Dr. 1. Collected.

Nov 18 1983 of SAD TND. 31g " " St. W-4(in) " hold the radio on: Blood, ear, Saliva Caught # 195207 on transect last of word RC-1, covered with NOV 18 1983 09 SAD, TND. 3/g. Eu-taggd. St. W-4/in) ear Collected. Caught # 1914 with RED powder covering body this morning on transect west of EC-1. Must be mate of # 1917 which was dusted last on 16 November. This afternoon while resetting traps, I moved some surrously set traps east of Grid RC-1 caper to the steam and found the potential nest site of # 1931. It is a fallen live oak that still has most of its branches intact (no leaves), about 40 cm Abh. The end closest to the stroam (base) has many smatterings of onswert powder. I set I traps there and I hope to cath the Q(193) before going in on the nest. 2200hrs- Caught # 1931 at the site nuntioned. Before releasing has, I looked for a nest, but I think this tree is only a refuse site. There's no place for a nest. Redusked #1931 and sho

Hastings Natural History Reservation, Monterey Co., Calif. WOULBloot) e-capied downstram. Un GRIO MC-1 & trapped both 1943 + 1944 at station 9,10. I dusted 1943 and the escaped into one hole above the midden at Hu station. The or, 1941, I scaped to the same place. Prior to this, His hole did not have any powder wit; so I don't Tunk this is their next. Nov19 # 1101 & Imm, nulliparous. Etg. Ear-tagged. Transect Wast Ear. Blood
1102 & 11, 11 29g 11-11 GERD MC-1 drift 11
1102 & 11, 11 29g 11-11 Gence. St. W-9lin) 11 Ear, Salva, Blood, collected 1102 9 ", " 29g "-11. Nov 28 2130hrs - put a vadio-collar on # 1943 & on Grid MC, station 9,10. The recovered from the metafano very slowly, and I released her above the Nestona midden at the station. The escaped down a hole above the moder beneath an Bay till. Those are new collars designed by Marco which have use insulated wire as the collar. The 2 end are then hooked over each other, a plastic Heater" tube is placed over the ends, and looked with a warm huife to bind to the wire. It looks something like Healey tubes. Nov 3. 1104 9 SAD, nulliparous. 31g. Ear-tagged. Grid MC, st. 10,7. Saliva cal 1106 8 Makue, TND. 33g. 11 - 11 . GRIDREST. 5,11. " , 1600hrs - we receive I radio-signal from 1943 at the base of a Buckeye, ~5m sE of station 9, 11. Nov. 30 2215 hrs - received radio-signal from both 1943 & 1941 in nest 50 of 9,11. Hole to most is consend with Red fowder . It is at the base of an old Buckey snag about \$1.5 m high. The ground around it is covered with moss. This nest would be hard, if not impossible, to excavate for young without dostroying.

150-06-24-19

20. W. 3

Hasting Natural History Reservation, Monterey Co., Calif. Marco went out on Grid MC this am to get locations on 1943 \$ 1941. He couldn't get a signal from either animal, and he searched all around the grid for signals. Perhaps they have Chewed through the radio mechanism. This PM we set traps on the top 2 rows of MC to try and catch these Zanumas also this AM on Good RC we radio-collared # 1079 & [ progrant, probably lactating) and dusted her with NEW RED POWDER Later this AM (1100 hrs) we got signal from her between Stations 6,14 & 5,14. It was coming from a log 60cm diameter covered with blackberry, grasses, and poison oak Dec Z We didn't catch # 1943 on 1941 today. We set traps on the top 2 rows of MC this of ternoon to tryand catch them. This afternoon we radio-tracked # 1079 to a dead soling snag 3 m N. of 6,12. The snag of -3m dbh and stands -3m high at which point it is broken. The strongest signal was received without the antenna at 2m above the ground. The bottom of the snag has a hole at ground level which could be used for entry. 2230 ms - caught # 19418 at station 10,11 on Grid U.C. Iles Collai was in good shape except for a few growing on the collar and one corner of the radio with no wires exposed. It was chewed to the metal, so perhaps morsture uside shorted the radio (?). We removed the collar and released him in good shape. I hundrue. TND. 14.3g Ear-togged. (1210 MC-1, St. 9, 11. Ear Collected)

| Journa of ff 1943 (covered w/RED PEWLED). 158-86-24-19=14.3g.
| Peleased at probable nest hole. 1111 8 SAD. TWD 30g Ear-toggd GRID MC. St 10,10. Blood, Solva No sign of any powder

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Hastings Washeral History Reservation, Mondery Co., Colf. Dec 3 (cont). Thus PM we finally caught # 1943 & near station 9,11. The was still lactating. Her radio-collar was a moss! I ho Collar part was chewed systems wely. Wires were spread apart. In end of the radio part was completely chewed through the Conting, exposing wires and hardware. Marco removed the collar with a tug and we released her in good stop Dec9 #1113 87 Immatare, TND. 22g. Ear-tagged Grid W-R, St. 15,12 Mature, scrotal. 3/eg "-" # 11160 00 #1118 8 SAD, TND. 31g "-" #1119. 9 SAD, nullipaines 30g 1121 87 Mateur, Scrotal. 3log. 11-11 4 " 10,10 4 late SAD, nullipaous. 32.5g SAD, nulliparous 28g 1127 8 SAD, TND ZBG "-" 9 500, nulliparous 28.8 11-11. RC drift fence PM-see Journal for probable breeding pain on Grid WR:#19579 \$#195807
Possibly young of 197699 - see Journal & November.

1178 37 Imm, TND. 27g "1 - " GRIDMC, St9,5 Salvered 11 -11 GRIO MCS+9,16 1129 8 Mature, scrotal 35g 1954 11-11 Dec 17 1130 & lum, rullip. Probably young of #1943. Appears to have DED Powder on feet. Yes, Red on beet, ears, around wouth and neck (confirmed in Darkness) Blow ear, 18.5g 11-11 GRID MC.St. 9,10. Dec 18 /133 4 lum, nullip. Young of # 1943. Has RED powder on eass, mouth, feet, tail, ventra side, around eyes Transect east ORC. Blood, Eas, 1/35 & hum, nullip. 20g. "-" by 193120.

Thousable powder on animal. Possible it's offraging of # 193122, but it should have had OPANGE powder, but not a some was found. Saliva Col. 7 Definite RED powder on unside of ears and most early seen on back of - lais next to skull. Same patern seen oh 1137; 1139 below. Therefore, young of # 1079 44

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	Haskings Watural History Reservation, Monterey Co., Calif.
Declolo	int) #1/37 & Imm, nullip. 22g. Ear-tagged. Grid RC, St 5,14. Blood, ear, Salvacell.  [ County Caus covered with RED powder. Young of # 1079 & 4  * Note Journal 20 Dec. Hus annual consend with fresh powder from 1079.  1139 57 Imm, TND. 23g. " - " " "5,13. Blood, ear, Salvacell.  [ Ears covered with RED powder. Young of # 1079 & 4  Blood, ear, Salvacell.
	- Note Journal 20 Dec Hus annial Consend with fresh Double from 1079.
Dec 19	1139 87 /mm, TND. 23g. 11 - 11 11 115,13. Bland, ear, salva coll.
	Cais couesa with KED pawder. Young of # 1079 & g. Blood, ear, soliva coll.
	1138. 8 SAD, IND. 29g. Ear-tagged. W.C. duft fevo, E-11 (in).
Dec 20	1138. 87 SAD, IND. 29g. Ear-tagged. W.C. Duft few, E-11 (in).  Transect Blood, ear,  1140. 9 lum, nullip. 21.5g "-". East of P.C. salwa collected.  Covered with fresh Orange powder from 9#1931(1979). So 9#1931  in most probably amother.
	is most probably subther.
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		Hastinge	s Natur	al History	Reservation	, Monte	by Co.	Calif.		
	Feb 2				D, 22g.		pped.	Grid RC-1	Station	5,17
	March 28				, Parow, Fr			on IZC-1	11.	2
		0 230			otal, ZE			11		6
	March 29	0300			ip, nullip,	0		11	2/	6
		01100			Parous	$\mathcal{C}$		11		10.
		0100			TUD,			Grid MC-		5,5
		0230	87,	early mature,	TND,	153	//	Grid Re		5,12
	July 19	01230	orong tt,	subadult	TND, changed, TND.	20 July 14 G	<i>Ul</i>	41	4	6,14
	Nov. 13	0100	9		, nullip.			Grich MC-1 St.W-7	duft fee a	(,
	Nov. Z4		9		11			GRID BC-1	1. st 6,	
		0320			mperforate, P			St. W-4( St. W-4(	fence.	
		0330	9					C duft St. W-11	- fence	related Ballack Play to the ability or the STR STR STR STA
/	Dec15	010	9	500	nullip.	154.	0 11 - 11	GRID MC.	54.8,1	7
	Dec19	0340	637	540,				RC duft &		
			andit a dasain ahin pembah-darap di dinya menganjah mena dani							And the second s
									And Affile (Martin American)	North-differential or from high group primary, a critical by delicate
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				angkalad diping masakan maskanaladi di mah kan spang pemalahanah garing yang						
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	Hastings Natural History Reservation, Monterey Co., Calif
Feb 2	1037 or, mature, TND, zig. Ear-tagged. Grid MC-1 Station 9,5
March 26	0120 87, mature, TND, 22g, Toe-clipped " " 10,11
March 28	1065 9, mature, Imp, nullipl?), 22g- Ear-tagged " " 10,7
June 4	0140 0 matur, scrotal, 22g. Toe-clipped. " " 10,9
June 6	0220 81 Immature, TND, 15g. 11 " 9,10
July 14	0300 8 Immature, TND, 12g. " " 10,6
	0310 9 11, nullip- 9.5g 11 11 11 10,11
July 15	0320 07 ", TND-11g " " " 10,7
July 17	0330 9 " nullip. 10g " 10,10
Dug 15	0340 9 Mature, parous post-lactating. 27.5g " " 9,8
Oct. 1	0340 9 Mature parous Dost-lactating . 27.5g " " 9,8 0440 (Chipped wrong initially Chipped 040) Drift fence on 0400 0 Mature, scrotal - 26.5g " MC-1-5t. W-13 (out)
() OBA 2	0940 3 Matrone, Scrotal 24g. " 3F. W +3 (in)
Oct.4	03400 l'eclipped mistahenly 190ct.)  0400 f. Late Subadult, perforate, lactating. 24.5g. "Drift fence on MC-1-5t. W-13(out)  1d questionable.  Drift fence on Drift fence o
Oct. 21	D3146 & Immature, 13g. Toe-clipped. MC-1. W-13 (out)
Nov. 9	0410 87 early SAD, TWO. 17g. "-". GRID MC-1. St. B, 5
	8420 9 SAD selvos lactating Zloc 11-11 " " 11.15
	8420 9 SAD selvos lactating Zloc 11-11 " " 11.15
	8420 9 SAD selvos lactating Zloc 11-11 " " 11.15
	8420 9 SAD selvos lactating Zloc 11-11 " " 11.15
Nov.11  Mov.11  Mov.11  Mov.11  Mov.11	8420 \$\frac{9}{7}\$ SAD pelage, lactating. Zlog "1-" "1,15  0430 \$\frac{97}{7}\$ lum, TND 14g "1-" " "10,9.  01100 \$\frac{97}{7}\$ " " 14.5g "-" " "10,10  01110 \$\frac{97}{7}\$ " " 15g "-" " "0,8  01120 \$\frac{97}{7}\$ " " 17g "-" MC-1 duft, St. E-7 Lin)
Nov.11  Mov.11  Mov.12  Mov.12  Nov.12	8420 \$\frac{9}{7}\$ SAD pelage, lactating. Zlog "1-" "1,15  0430 \$\frac{97}{7}\$ lum, TND 14g "1-" " "10,9.  01100 \$\frac{97}{7}\$ " " 14.5g "-" " "10,10  01110 \$\frac{97}{7}\$ " " 15g "-" " "0,8  01120 \$\frac{97}{7}\$ " " 17g "-" MC-1 duft, St. E-7 Lin)
Nov.11  Mov.11  Mov.12  Nov.12  Nov.12  Nov.23	8420 \$\frac{9}{7}\$ SAD pelage, lactating. Zlog "1-" "1,15  0430 \$\frac{97}{7}\$ lum, TND 14g "1-" " "10,9.  01100 \$\frac{97}{7}\$ " " 14.5g "-" " "10,10  01110 \$\frac{97}{7}\$ " " 15g "-" " "0,8  01120 \$\frac{97}{7}\$ " " 17g "-" MC-1 duft, St. E-7 Lin)
Nov.11  Mov.12  Mov.12  Nov.12  Nov.23  Nov. 24	8420 \$\frac{9}{7}\$ SAD pelage, lactating. Zlog "1-" "1,15  0430 \$\frac{97}{7}\$ lum, TND 14g "1-" " "10,9.  01100 \$\frac{97}{7}\$ " " 14.5g "-" " "10,10  01110 \$\frac{97}{7}\$ " " 15g "-" " "0,8  01120 \$\frac{97}{7}\$ " " 17g "-" MC-1 duft, St. E-7 Lin)
Nov.11  Nov.12  Nov.12  Nov.12  Nov. 23  Nov. 24	0420 \$\frac{7}{2} \text{ SAD pelaog, lactating. Zlog "I-" " " " 1],15  0430 \$\text{07} \text{ lmm, TND } 14g \text{ II-II " " " 10,9.}  01100 \$\text{07} \text{ II " " 14.5g "I-" " " " 10,10  01110 \$\text{07} \text{ II " " 15g "I-" " " " 10,16  01120 \$\text{07} \text{ II " " 17g "I-" MC-1 drift, 5t. E-7 lin)}  01130 \$\text{ lmm, Nullip. } \text{ 22g "I-" byzio MC. 5t- 9,8}  01140 \$\text{07} \text{ II, TND. 17g "I-II " " 9,13  01210 \$\text{07} \text{ II " " MC drift fence. \$t. E-1 \text{ cun}}
Nov.11  Nov.12  Nov.12  Nov.12  Nov.23  Nov.24  Dec 9	0420 \$\frac{7}{2} \text{SAD pelage}, \lactating. \text{Zlog}
Nov.11  Nov.12  Nov.12  Nov.12  Nov.23  Nov.24  Dec 9	0420 \$\frac{9}{7}\$ \land \text{pelage}, \lackstring. \text{Zlog}                                                                                                                                                                                                                                                                                                                                           \
Nov.11  Nov.12  Nov.12  Nov.12  Nov.23  Nov.24  Dec 9	0420 \$\frac{9}{2} \text{ SAD pelage, lactating. Zlocy "1-" "" "" "10,9.  0430 \$\text{07} \text{ lum, TND } 14g \text{ 11-11 "" " " 10,9.  01100 \$\text{07} "" " 14.5g "" " " " 10,8  01120 \$\text{07} "" " 15g "" " " " " 10,8  01130 \$\text{ lum, Nullip. } 22g "" " Grand ML. 5+ 9,8  01140 \$\text{07} "" " " 17g "" "" " 9,13  01210 \$\text{07} "" " " 17g "" " " " " 17g "" " " " " " " 17g "" " " " " " " 17g "" " " " " " 17g "" " " " " " " 17g "" " " " " " " 17g "" " " " " " " " " " " " " " " " " "

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RIBBLE, D.O.

Peromyseus truci (2)

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		and the second seco	in philosophilips of the distribution of the state of the		www.er ddalfing.) And opposites to opposite our option on a ddalfing. I stall or the					magnatus (m. 1942) a de maio è grad a la Ressaria de la canada de la canada de la canada de la canada de la ca	illi, ildiği ğişimmə məziyyyyyə il
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	Hasting.	5 Natur	al History is	Reservation,	Mon	lerey a	., Cali	£.		
Feb.1	1028	9, mat	ure, imp., 7	arous -	Ear-	tagged,	Grid B	2C-1, 9	Station	7,17
			ture, Scrotal		11	11	Łę.	"	11	6,17
			ature, Imp.,			//				5,13
	1031	87, u	rature, Th	D	/ /	P.C	* 4	"	4	7,12
	1032	9, n	rature, IMP.	nullip	11	(1	*(	4 4	. (	5,1/
	IÐ 33	9, n	rature, paron	Maybe 15, Pregnan	+ "	, .	( )	ŧ «	16	5,10
March 27			nature, imp			ıl				7,15
					grafik Pilar regeri di 1990 di Pilar regeri di 1990 di				-	5,13
	1047	escap	Mature, So ed after tagging.			/1	an an ambiguar mag bil. Stadiuser militada a tras degeneratas angles gegenerata	//		5,10
March 28		6 ⁷ ,	mature, sc	10 tal	тернік Пунктійный мініментуру и пійный указайські указайські	//		1/		8,13
	10lole		mahue, imp.		Million for Million or segregative Million beacher blanks vermichten	١ (	412	LIDMO	-1	10,14
	1048		11 11			41		line B PC-1		+. 7
Face of the same o	1054	037,		Scrotal	-revenients (Annual Parl Annual A	U	Trapi	rne A BC-1		X/
	1055	4,		ічур, Рагон	1	и		1/		2
	1056	7		11 11		10		17		7
	1060	87	mature,	scrotal		11		pline A MC-1	51	- 9
March 29		677	mature,			//		D MC	-1 5+	le,12
June 2	1077	9		, Parous, lup.		11	,	PC-1,		
	1080	9	immatuu,			11	,	4		5,11
	1084	637	immature,			61		4		5,10
	1085	57	makue, T	$\mathcal{O}$		11		//	,	7,12
June 3	1083	9	mature, pa			4		16		4,8
	1087	00	matur, T			<i>l</i> <		61	4	leil6
·	1081	9	makero, imp			11	GRID	MC-1.	St. (	6,11
)	1082	9	mahus, imp	, nullep		21		11		5,8
June 4	1088	87	Matine, TN			//	GRID	PC-1.	st.	8,10

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Hastings Natural History Reservation, Monterey Co., Calif. June 5 # 1091 07 1111 MORUE, THD, BIG. 1000 ARID RC-1. 5t. 6,17 mature, TND. " GED MC-1. 1092 67 1095 87 carly mature, TND July 14 1099 9, mature, imp., parous". " " 5,9. Transact 1-2, east St. I. July 16 1907 8, mature, TND. 2 mature, IND. "GRID MCY- St. 6,11 2 mature. Dannes." of MCY. St. I July 17 1909 1910 q, mature, imp., parous. of mc-1. July 22 1923 9, 11, 11, 11 ." - Grid PC-1. St. 7,17 1924 07, immature, TWD. "1 "1"

Chot news rt.ear tog ripped-out).

July 23 1926 09, mature, TWD. 4,8 Aug 13 1932 & mature, imperforate "GRID MC-1. St. retaggod 1936 1933 (++ ear tag in Foorly, double tagged 11 11 on 10ct 87) 1934 (lost) +, Subadult, imp., nullip. 6,12 11 8,12 109, early mature, TND. 1935 10,12 of Early mature. TND.
Tagged left ear - Rt. tag reposed out when putting or Oct. 2 1942 Early maker imperforse, nullip " Gozeo EC-1. St. 4,18 Oct. 5 1947 F Makeus, parous, perf., Kots sudlen. "
Two huge wardles on throat. 4,16 7,15. Oct.6 Subabult, ND. 1950 9,17 11 11-11 9 Oct 12 Sub, imp, nullip. 1953 Grid RC-1 duft 07 Makus, TND. 11-11 Oct. 19 Sence. St. E-9 (aut) 1956 GRID MC-1 drift 11-11 Nov. 11 OF pence St. W-9. 1972 GRID RC-1 duft 11-11 U 11 Nov 14 1978 tence. St. E -5(in) West of and RC-1 11-11 Mature, TOD Noull 1980 1981 11-11 Matur, imp, null paross, 2 Mature, Imp, nulliparous. 215g 11-11 Transect east of RC-1 NOV. 25 1103 11-11 GRIDRC. St. 4,14 Maxue, TND. 1105 NOU 29 11-11 GRIDRC St 5,9 Imm, TWD. 1107 Marine, perforate, parous. 245g 11-11 4,18 1109 Dec 2



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	Hastings A	Vatural His	tory Ros	evation,	Monterey Co.	Calif.	
Dec 9.	#1114.07	Mature,	TNO	-195g.	Ear-tagged	GRID WR	5+ 10,6
	1115.9.	510, N	ullip	1259	11 - 11	26 11 11	11 8,8.
	1120-0					u finally ci	" 8,8. " 14,13.
Decio	11260			-		THE RESERVE OF THE PARTY OF THE	" 1,2
Dec 18	1134 8	540,	TND.	150g	11 - 11.	GRID MC. S.	t. 5,8
		e mell Managhan Fanna 1974 i ser y Mild i se mell Mildeninos menna hypers	r yadarinkinka watan tawa wiyofindiiwwo yayi ifin	ang Pang, panggalan kulon ng in 1, pangga nangga kulon pangga kulon pangga nangga nangga kulon pangga nangga n			andrograffifferfelderer skale helder skille helder skale had folket i freit der en det gert i sjølle frem se
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